

Austin Energy FY2023 Q2 Operations Update

May 2023

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Agenda

Quarterly Operations Update



Executive Summary



Reliability Performance



Environmental Performance



Grid Resilience Strategic Goal

Executive Summary



Generator availability on-target

For the quarter, resources met availability targets when considering planned outages



Reliability performance is trending up

Performance over the longer term is trending negative, yet remains well above Texas utilities average



Renewable production on-target

For the quarter, 57% aggregate renewable production as a percentage of load



Carbon free production on-target

For the quarter, 84% carbon-free generation as a percentage of load



Austin Energy Operations Update

Reliability Performance



Generator Commercial Availability

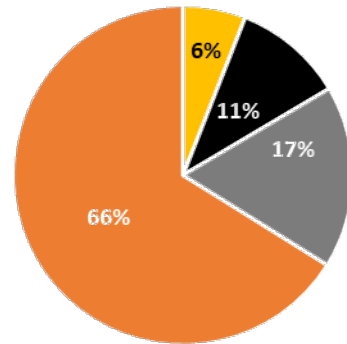
Generation Resource	Max Summer Commercial % Availability Target	Commercial Availability Actual % Q2 FY23 Avg
Sand Hill Combined Cycle	95	99
Fayette Units	97	100
South Texas Project	100	92

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



Net Generation and Load Analysis FY2023 Q2

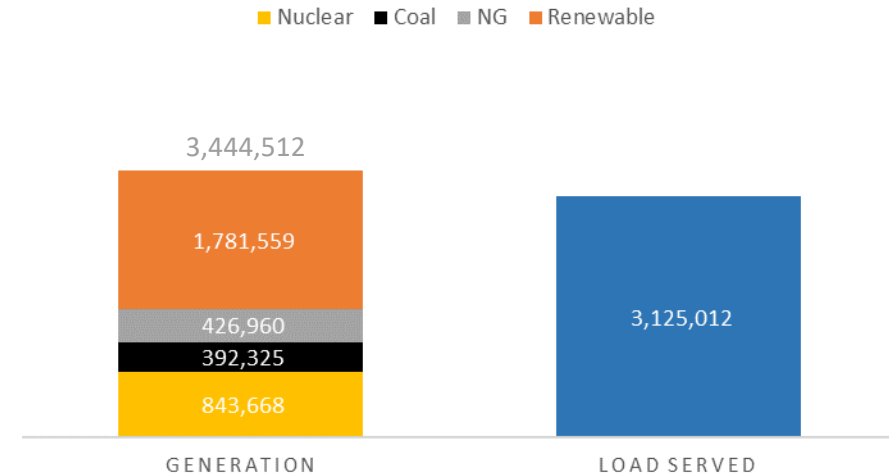
**POWER GENERATION COST
BY FUEL TYPE**



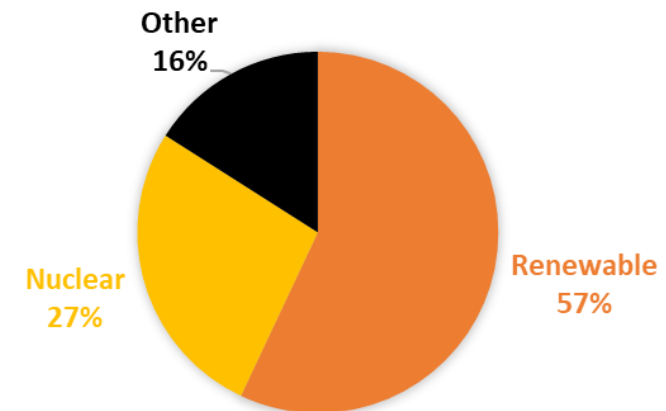
■ Nuclear ■ Coal ■ NG ■ Renewable

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

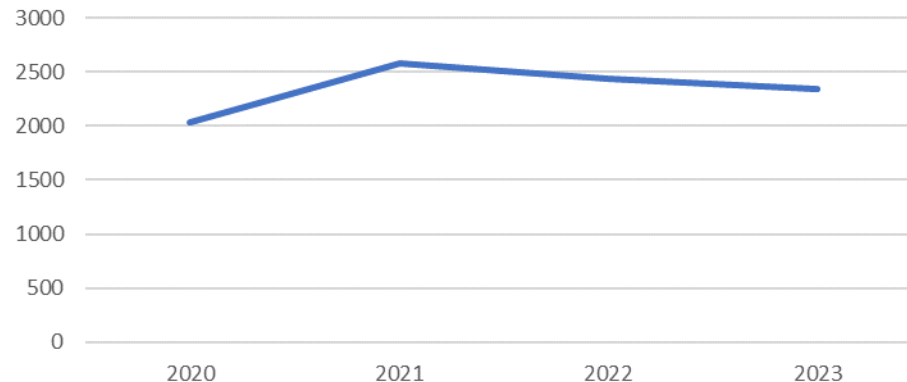
LOAD VS. GENERATION (MWH)



POWER GENERATION AS PERCENT OF LOAD



**CURRENT & HISTORICAL Q2
SYSTEM PEAK DEMAND (MW)**



System Reliability & Texas Utilities Average

	Austin Energy	Texas Utilities Average
SAIDI - System average interruption duration index (outage minutes per customer per year)	67.55	372.56
SAIFI - System average interruption frequency index (number of outages per year per customer)	0.87	1.81
CAIDI - Customer average interruption duration index (in minutes per outage experienced)	77.64	185.52



Note 1: Compares AE CY2022 with most recent available EIA data covering CY2021. AE CY2021 data: SAIDI 63.40, SAIFI 0.76, CAIDI 83.42

Note 2: All data excludes Major Event Days

Distribution System Reliability Trends

CAIDI = Customer Average Interruption Duration Index

Average time to restore service

SAIDI = System Average Interruption Duration Index

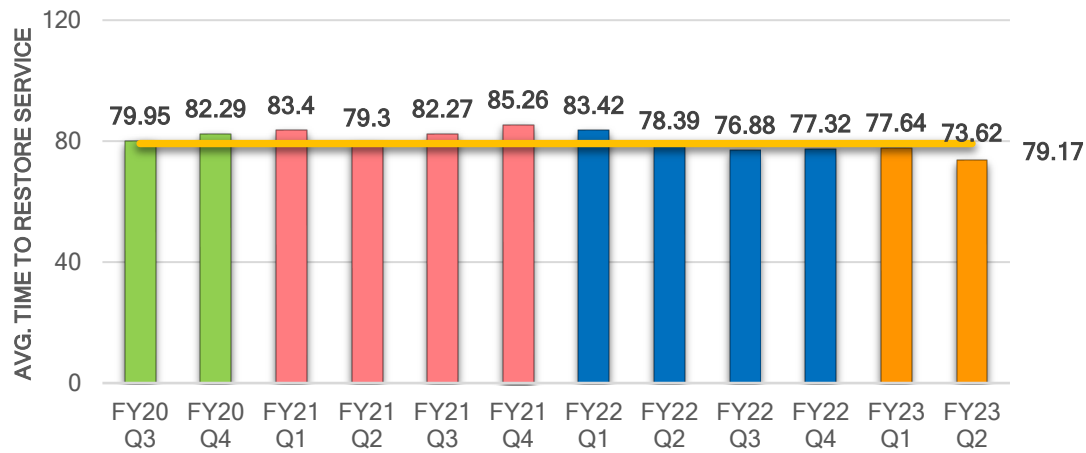
Total duration of interruptions for the average customer, during a period of time

SAIFI = System Average Interruption Frequency Index

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

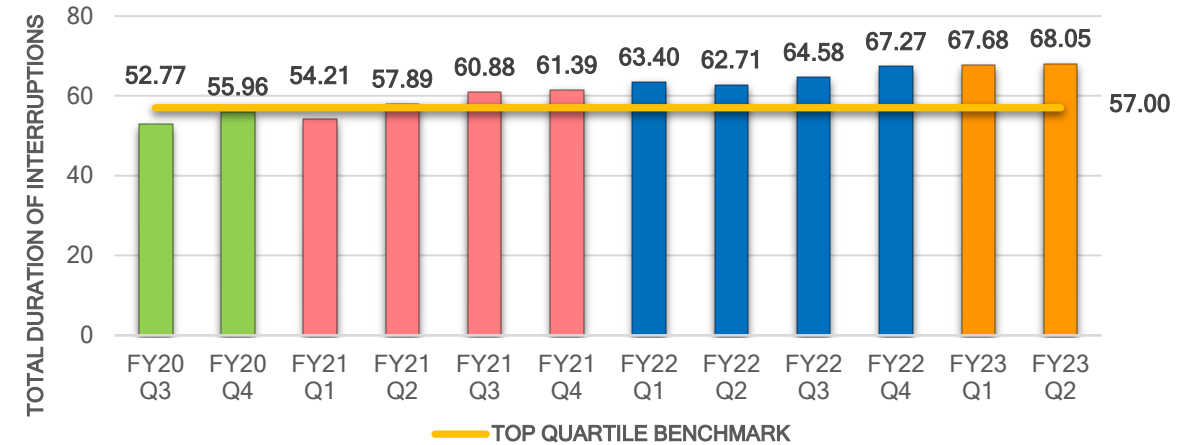
MED = Major Event Days

CAIDI w/o MED - FY20 - FY21 - FY22 - FY23

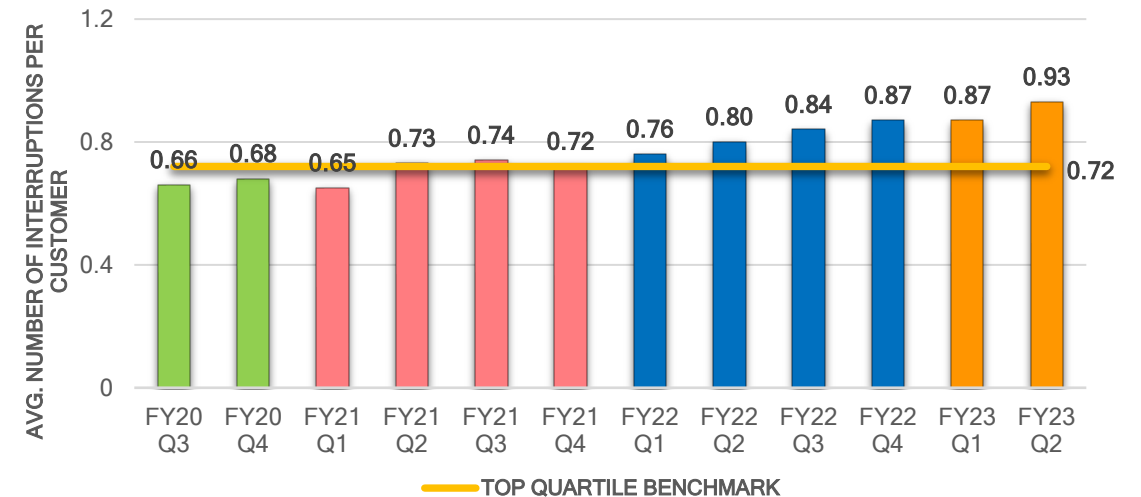


TOP QUARTILE BENCHMARK

SAIDI w/o MED - FY20 - FY21 - FY22 - FY23



SAIFI w/o MED - FY20 - FY21 - FY22 - FY23

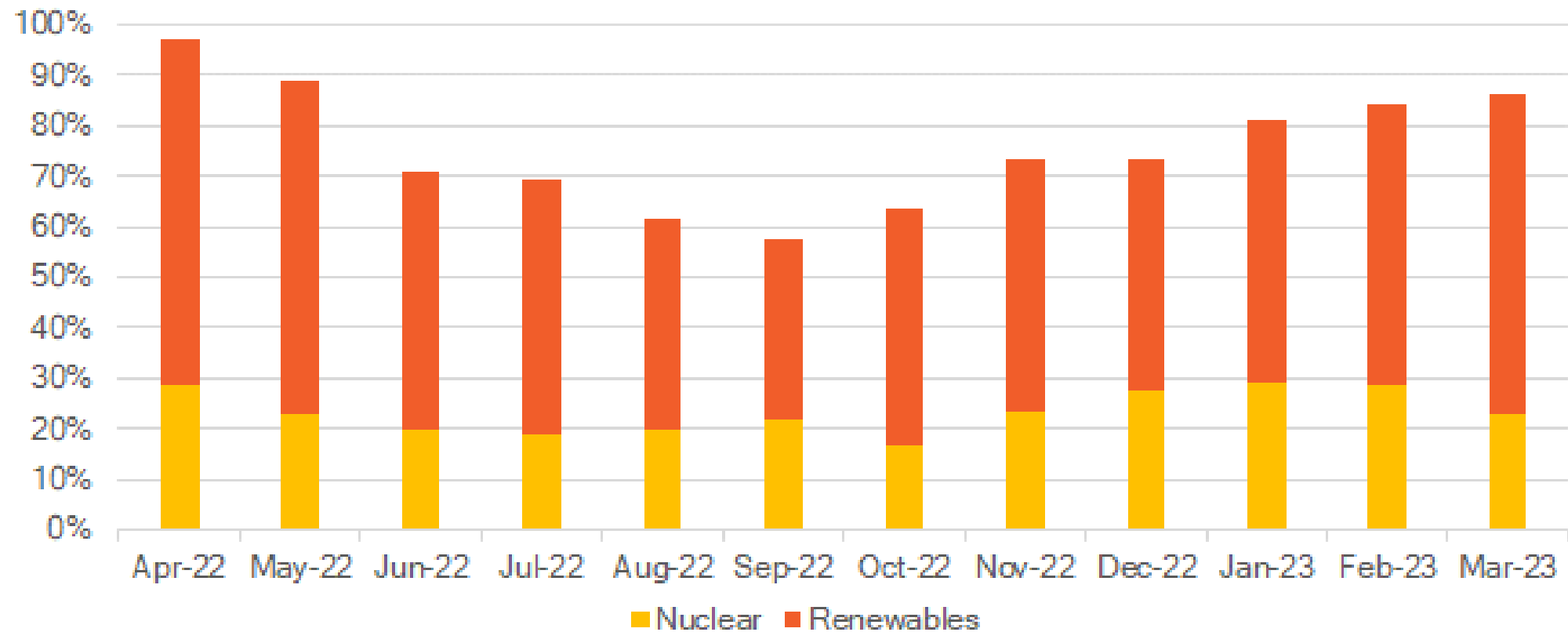


Austin Energy Operations Update

Environmental Performance



Carbon-Free Generation as a Percentage 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 or most susceptible to wildfire risk

- Dept of Energy Grid Resilience and Innovation Program (GRIP) grant application submitted April 2023
- TDEM Building Resilient Infrastructure and Communities (BRIC) award notification received April 2023



Transmission System of the Future

As part of the 2030 resource plan, Austin Energy contracted for a transmission 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



Resiliency as a Service

In accordance with State law, enable identified critical load customer classes to install local distributed generation for resiliency and participation in the ERCOT market

- Austin Energy's Resiliency as a Service (RaaS) initial program offering is underway in CY23





**Customer Driven.
Community Focused.SM**



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