

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 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	Target Seasonal Commercial % Availability	Commercial Availability Actuals (%)	
		Q1 FY23 AVG**	Q2 FY23 AVG*
Sand Hill Combined Cycle	95	75	99
Fayette Units	97	69	100
South Texas Project	100	81	92

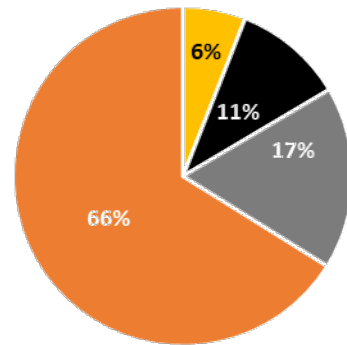
*Commercial Availability values reflect maintenance or refueling outages typical for this period

**Commercial Availability reported last quarter was in error and has been corrected in the table above



Net Generation and Load Analysis FY 2023 Q2

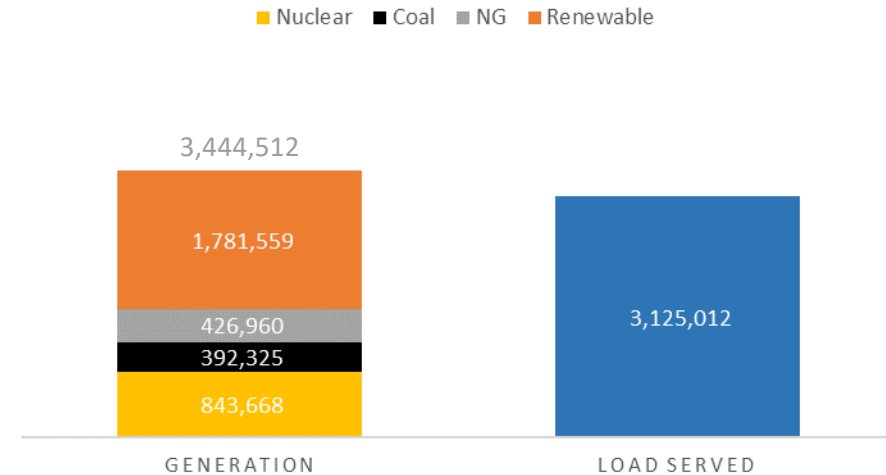
POWER GENERATION COST BY FUEL TYPE



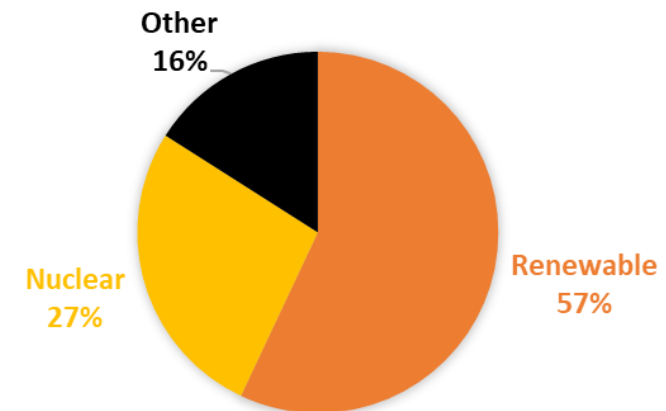
■ Nuclear ■ Coal ■ NG ■ Renewable

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

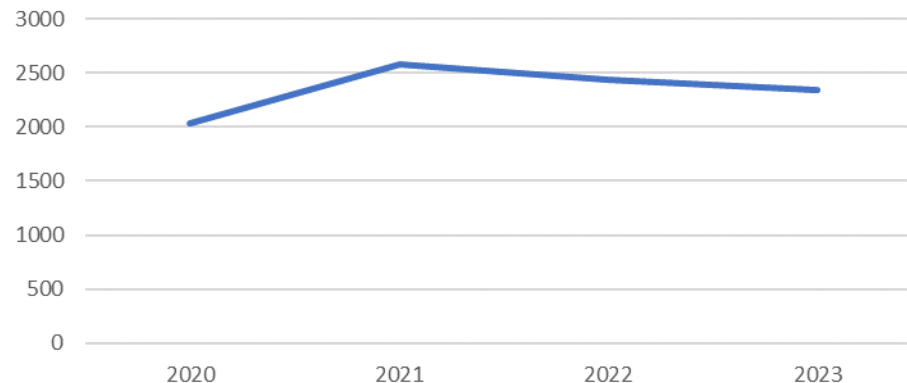
LOAD VS. GENERATION (MWH)



POWER GENERATION AS PERCENT OF LOAD



CURRENT & HISTORICAL Q2 SYSTEM PEAK DEMAND (MW)



Distribution System Reliability

CAIDI = Customer Average Interruption Duration Index

Average time to restore service

SAIDI = System Average Interruption Duration Index

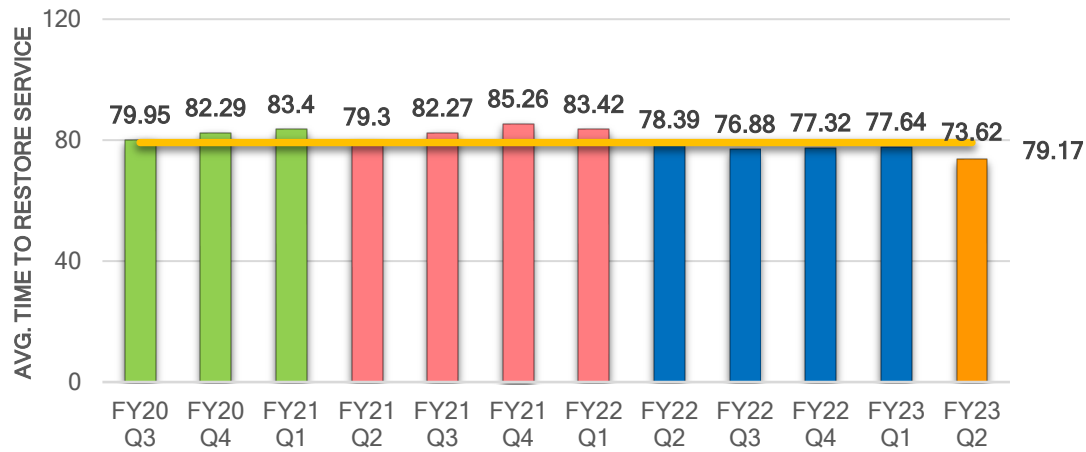
Total duration of interruptions for the average customer, during a period of time

SAIFI = System Average Interruption Frequency Index

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

MED = Major Event Days

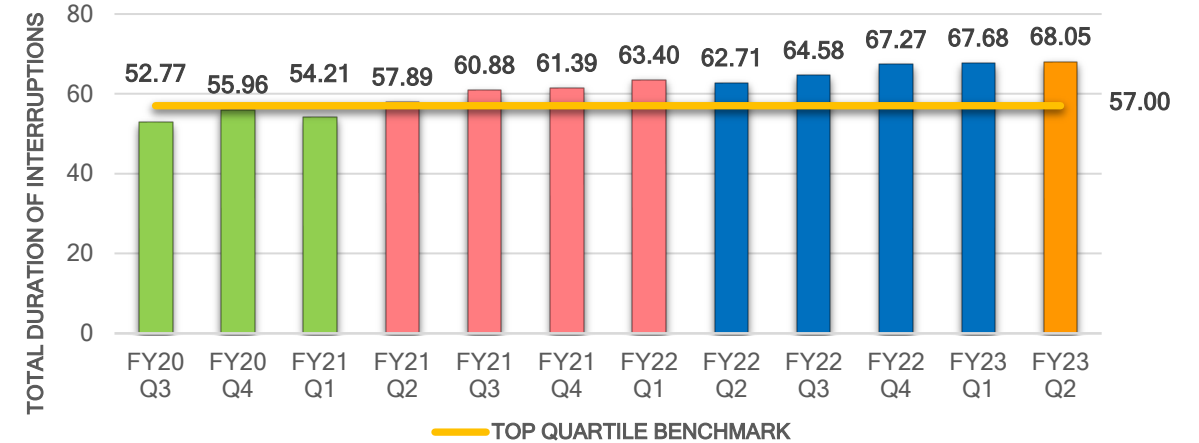
CAIDI w/o MED - FY20 - FY21 - FY22 - FY23



TOP QUARTILE BENCHMARK

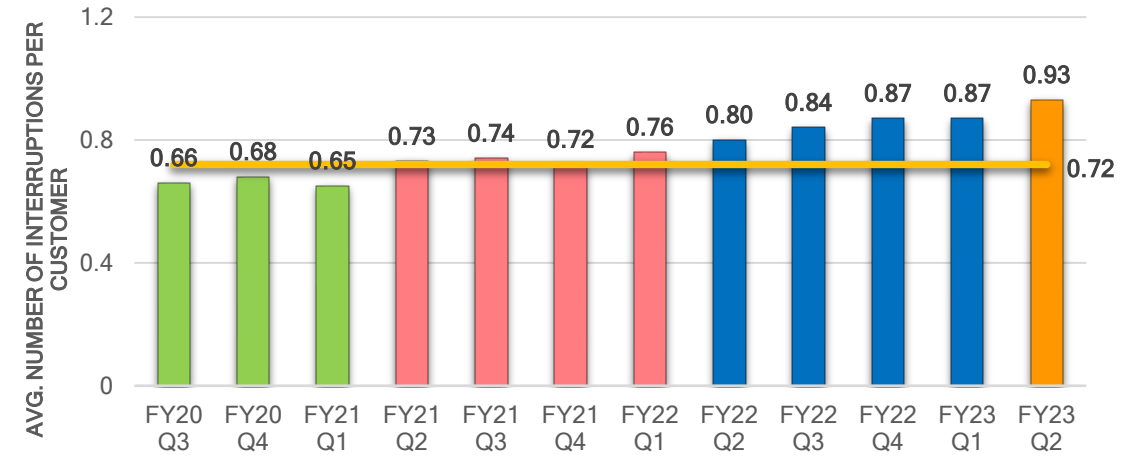


SAIDI w/o MED - FY20 - FY21 - FY22 - FY23



TOP QUARTILE BENCHMARK

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



TOP QUARTILE BENCHMARK

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

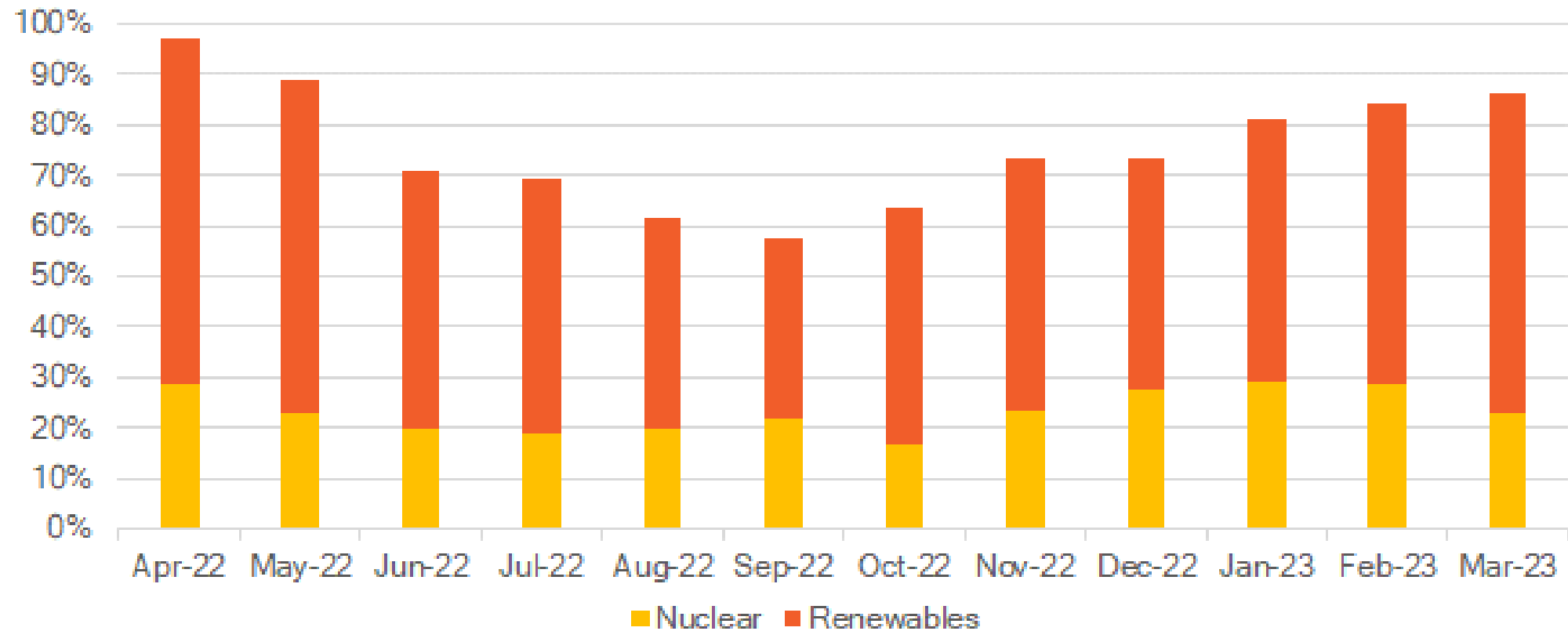
Note 2: All data excludes Major Event Days

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. Identify, rank and address system needs in areas most susceptible to wildfire risk.

- **Address Top 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**





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