

# Austin Energy FY2023 Q3 Operations Update

August 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, 49% aggregate renewable production as a percentage of load



## Carbon-free production over 70%

For the quarter, 71% carbon-free generation as a percentage of load



# Austin Energy Operations Update

## Reliability Performance



# Generator Commercial Availability

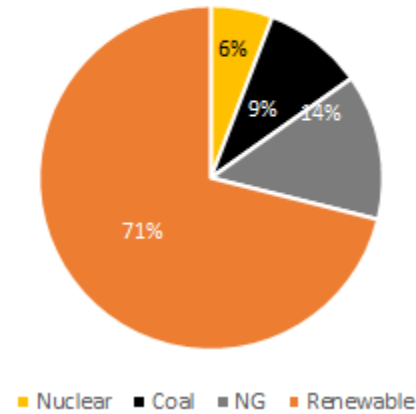
Generation Resource	Max Summer Commercial % Availability Target	Commercial Availability Actual % Q3 FY23 Avg
Sand Hill Combined Cycle	95	47
Fayette Units	97	92
South Texas Project	100	89

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



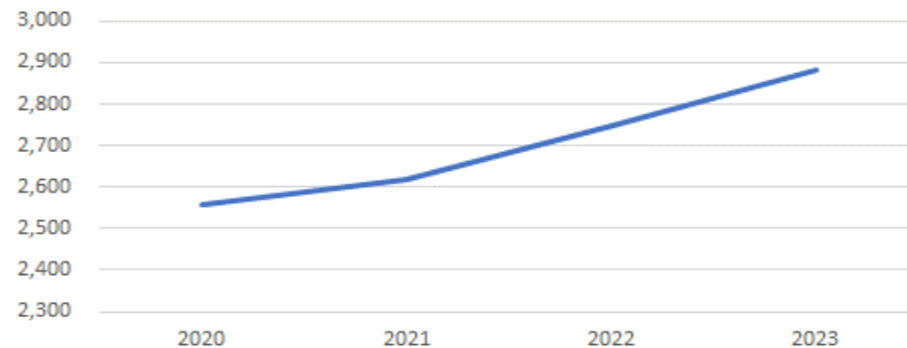
# Net Generation and Load Analysis FY2023 Q2

Power Generation Cost by Fuel Type

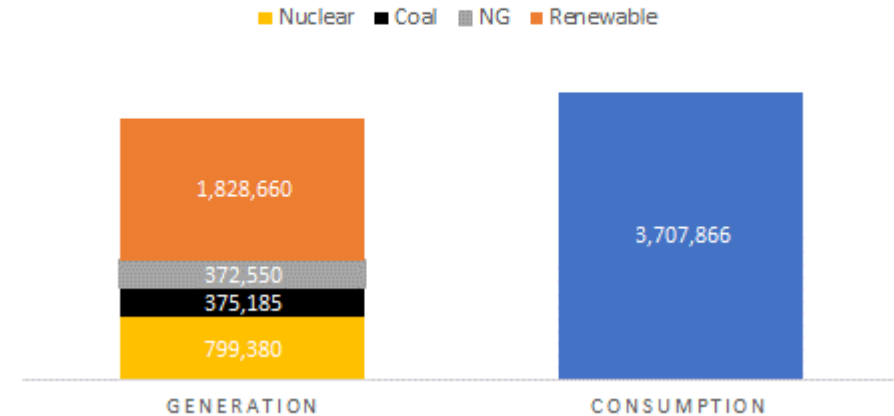


*\*Costs include fuel for generation, fuel transportation, renewable Power purchases agreements*

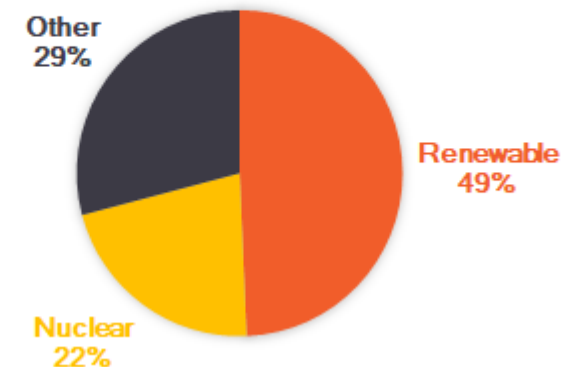
Historical FY23 Q3 System Peak Demand (MW)



CONSUMPTION VS. GENERATION (MWH)



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**

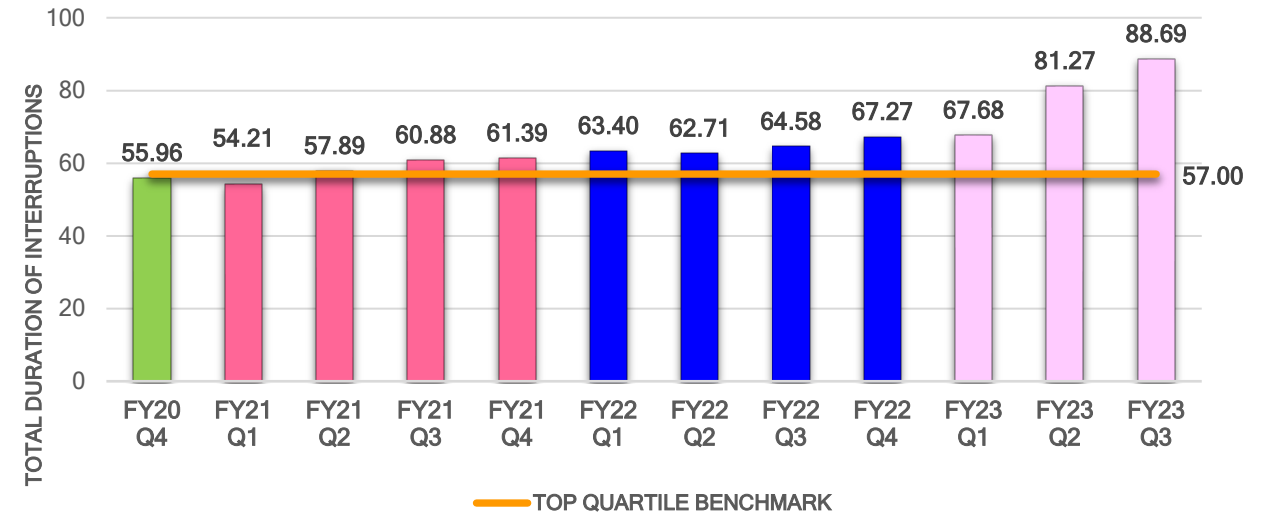
*Total duration of interruptions for the average customer, during a period of time*

**SAIFI = System Average Interruption Frequency Index**

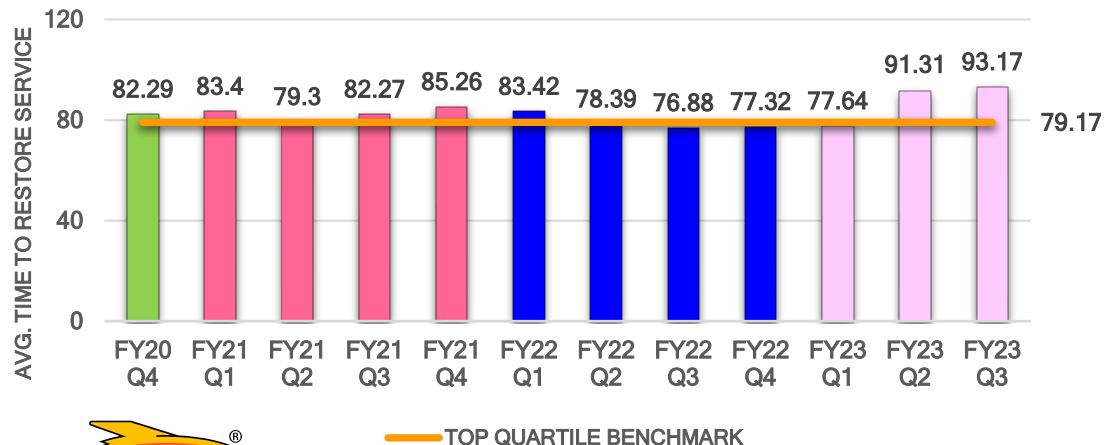
*How often the average customer experiences a sustain interruption, over a period of time*

**MED = Major Event Days**

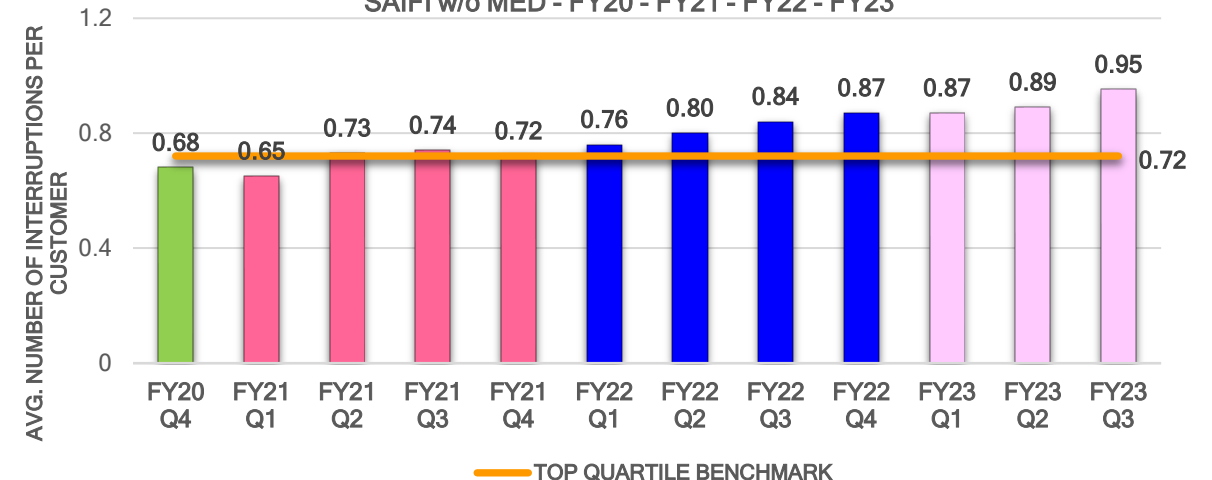
SAIDI w/o MED - FY20 - FY21 - FY22 - FY23



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



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



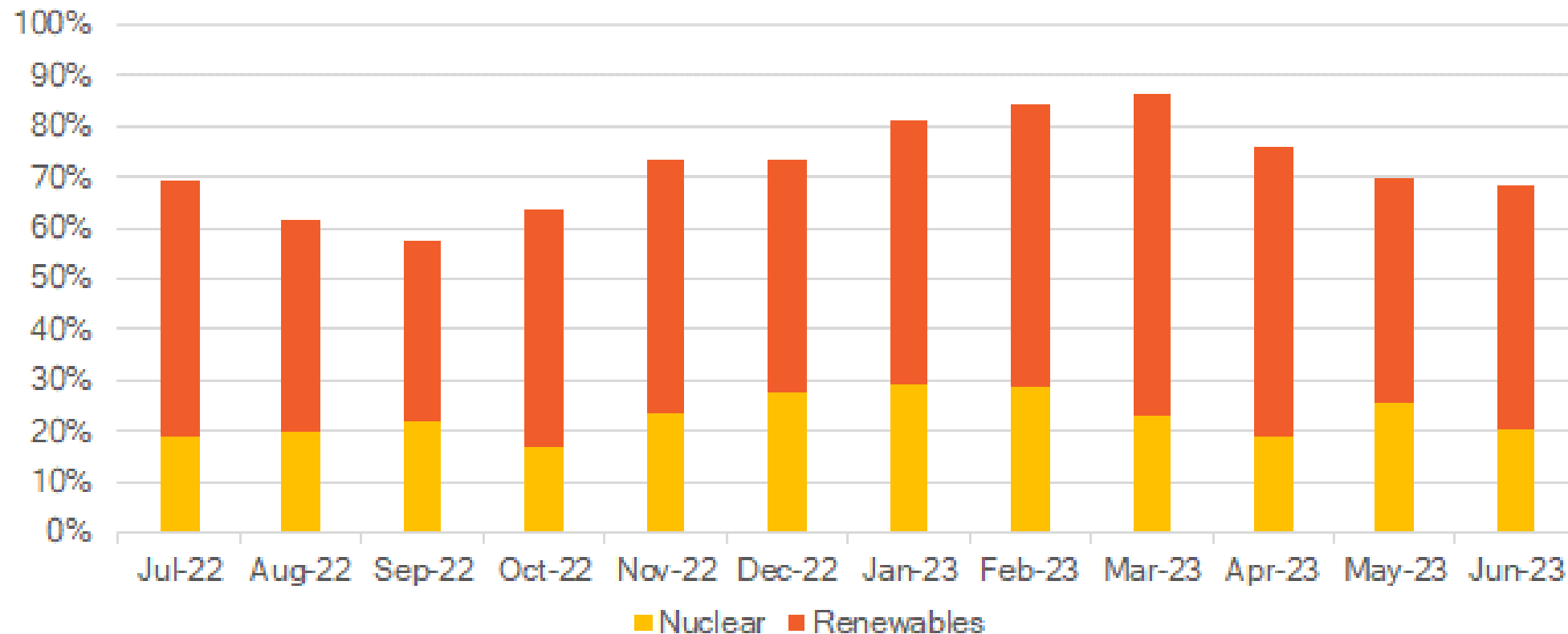
# Austin Energy Operations Update

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

- **Address Top Feeders in both Performance and Wildfire Criticality**
  - Program work underway; working through contractor and material availability
  - Scopes of work in final review stages for the following coordinated efforts
    - TDEM Building Resilient Infrastructure Communities (BRIC) award Overhead Resilience Analysis
    - Distribution Undergrounding Feasibility Study



#### 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 results presented in July 2023**
- **Results incorporated into Resource Plan update process underway**





**Customer Driven.  
Community Focused.<sup>SM</sup>**



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