

Austin Energy FY2023 Q3 Operations Update

September 2023

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Agenda

Quarterly Operations Update



Executive Summary



Generator availability on-target

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



Reliability performance is trending negative

Over the longer term, distribution reliability is trending negative, while still coming out better than the Texas utilities average. Mitigation efforts underway.



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

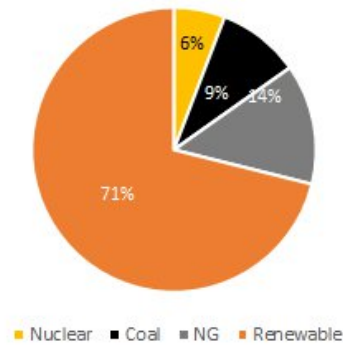
Generation Resource	Max Summer Commercial % Availability Target	Commercial Availability Actual % Q3 FY23 Avg
Sand Hill Combined Cycle	95	47
Fayette Units	97	92
South Texas Project	100	89

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



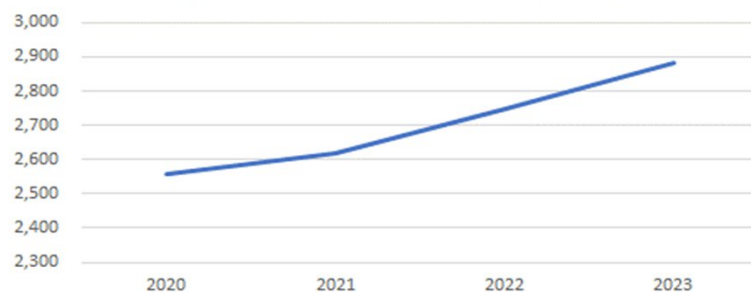
Net Generation and Load Analysis FY2023 Q3

Power Generation Cost by Fuel Type

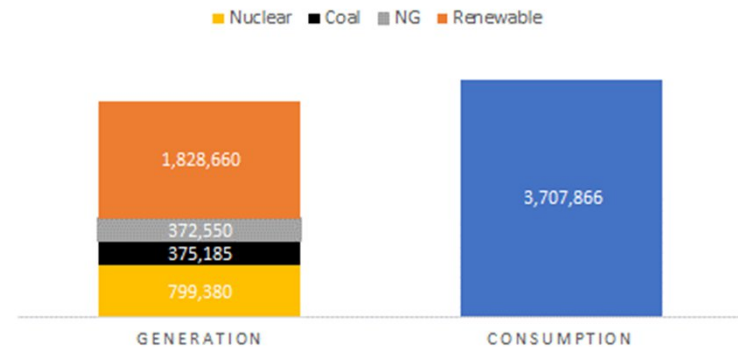


**Costs include fuel for generation, fuel transportation, renewable Power purchases agreements*

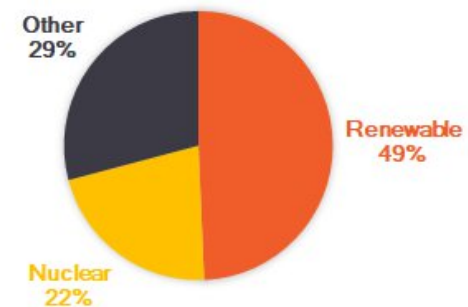
Historical FY23 Q3 System Peak Demand (MW)



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

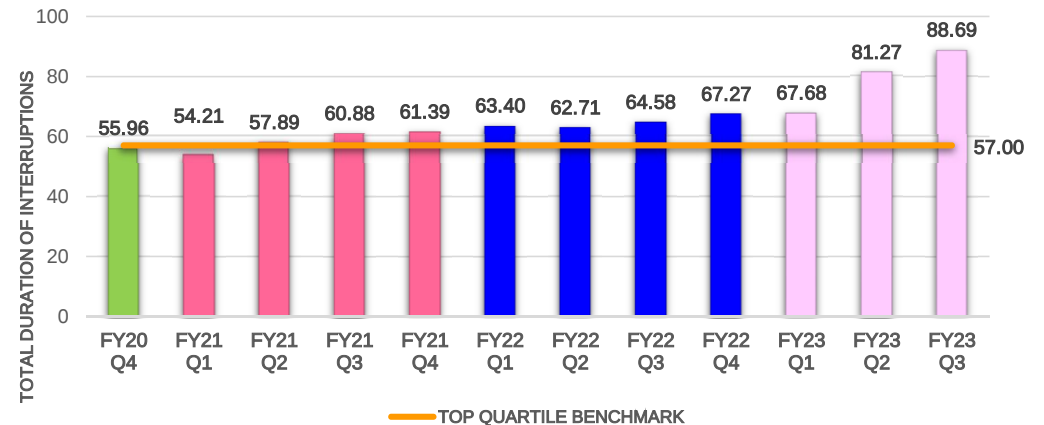
Total duration of interruptions for the average customer, during a period of time

SAIFI = System Average Interruption Frequency Index

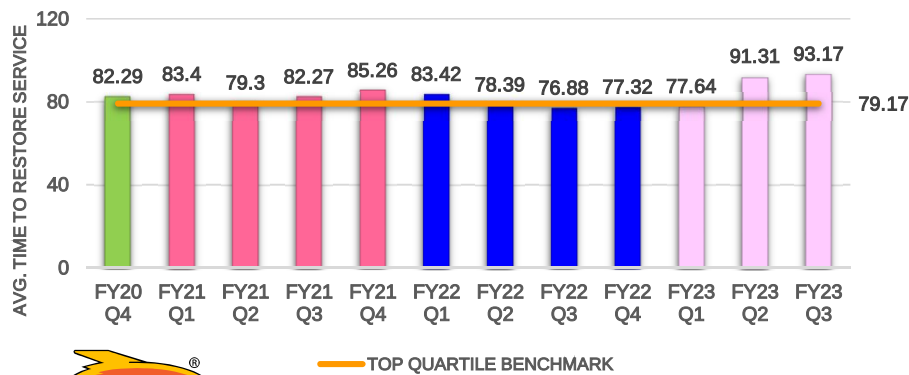
How often the average customer experiences a sustain interruption, over a period of time

MED = Major Event Days

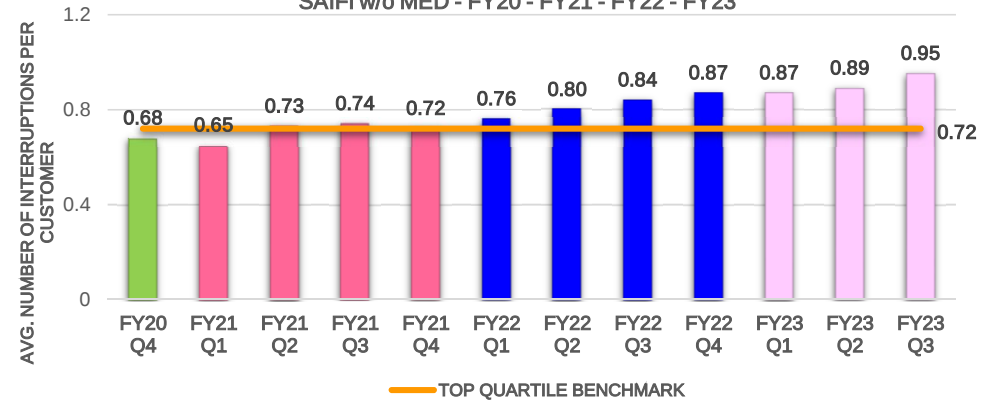
SAIDI w/o MED - FY20 - FY21 - FY22 - FY23



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



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

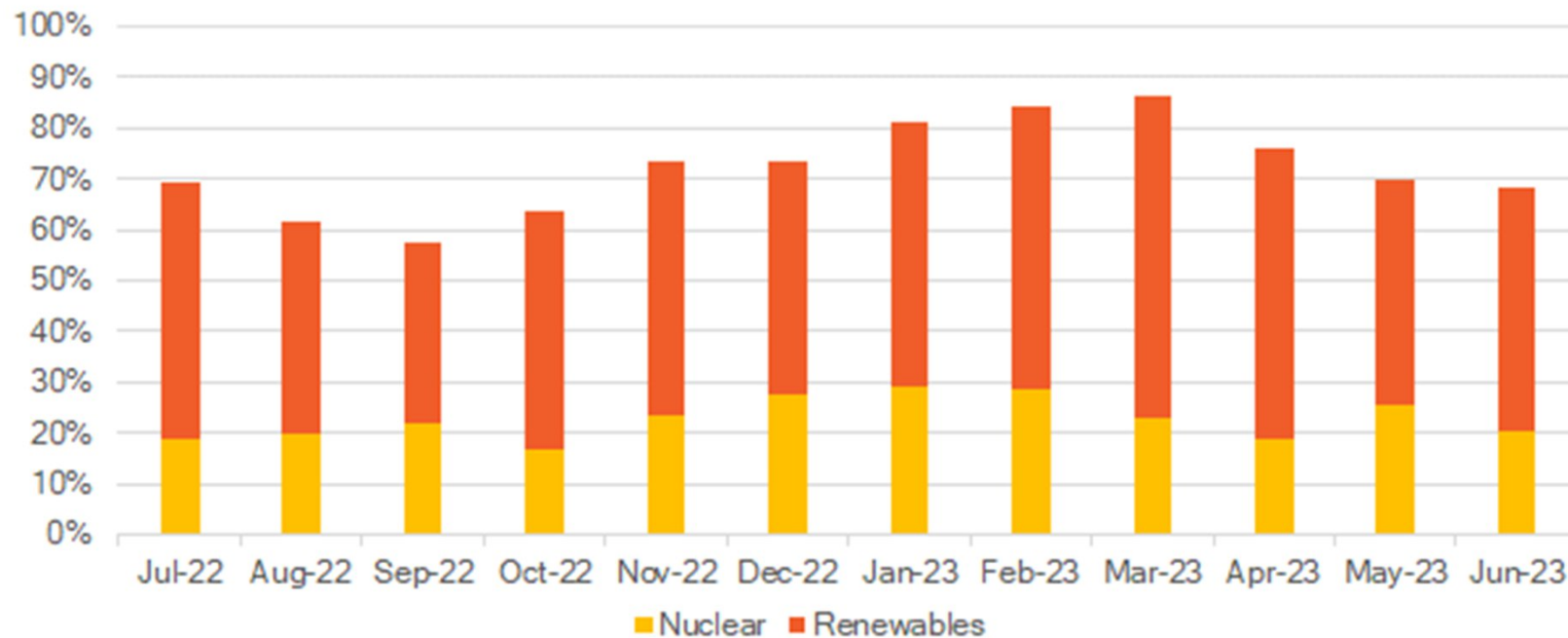


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Environmental Performance



Carbon-Free Generation as a Percentage of Load



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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
 - o Program work underway; working through contractor and material availability
 - o Request For Offers underway for the following coordinated efforts
 - o Distribution Undergrounding Feasibility Study
 - o TDEM Building Resilient Infrastructure Communities (BRIC) award Overhead Resilience Analysis



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 underway





Undergrounding Feasibility Study Timeline

Sept 2023	Consultants respond to solicitation
Oct 2023	Evaluate Consultant submittals
Nov/Dec 2023	Negotiate contract with selected Consultant
Jan 2024	City Council review/approval
Oct 2024	Study completion
Nov/Dec 2024	Presentations & Next Steps



Underground Feasibility Study is combined with
Overhead Resilience Analysis to ensure a well-rounded review



**Customer Driven.
Community Focused.SM**



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