

Austin Energy FY2022 Q3 Operations Update

August 2022

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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 mostly met availability targets, except where FPP outages were experienced.



Reliability performance stable

Performance over the longer term is trending statistically consistent with top quartile industry benchmarks.



Renewable production on-target

For the quarter, aggregate renewable production as a percentage of load at 61%.



Carbon free production on-target

For the month of April, 97% carbon-free generation as a percentage of load.



Austin Energy Operations Update

Reliability Performance



Generator Commercial Availability & Start Success

Commercial Availability

| Generation Resource | Target Seasonal Commercial % Availability | Commercial Availability Actuals (%) | |
|--------------------------|---|-------------------------------------|-------------|
| | | Q2 FY22 AVG | Q3 FY22 AVG |
| Decker Steam Units | 95 | 98 | - |
| Sand Hill Combined Cycle | 95 | 55 | 100 |
| Fayette Units | 97 | 97 | 79 |
| South Texas Project | 100 | 100 | 100 |

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

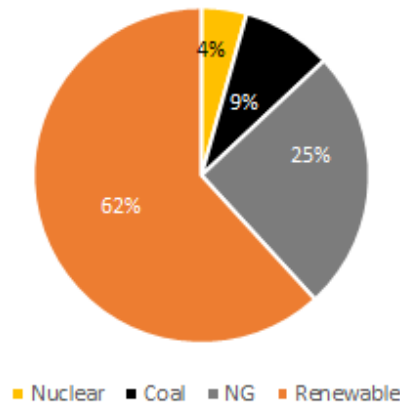
Start Success

| | Start Success Target(%) | Start Success Actuals (%) | |
|----------------------------|-------------------------|---------------------------|-------------|
| | | Q2 FY22 AVG | Q3 FY22 AVG |
| Simple Cycle Start Success | 99 | 100 | 100 |



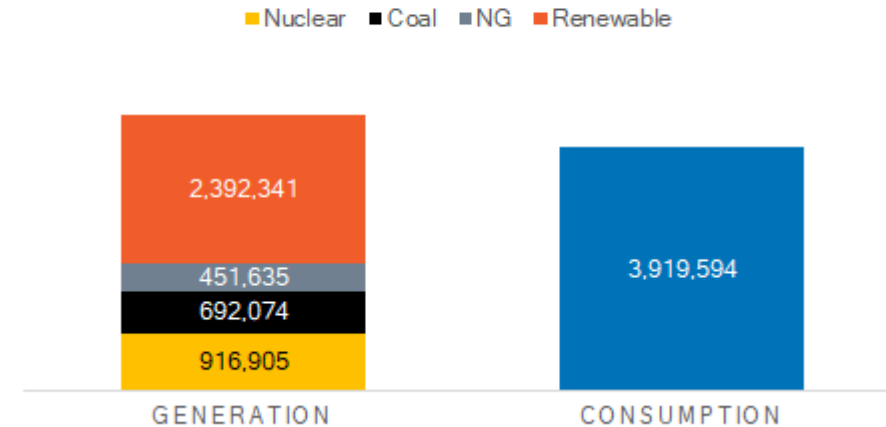
Net Generation and Load Analysis FY 2022 Q3

Power Generation Cost by Fuel Type

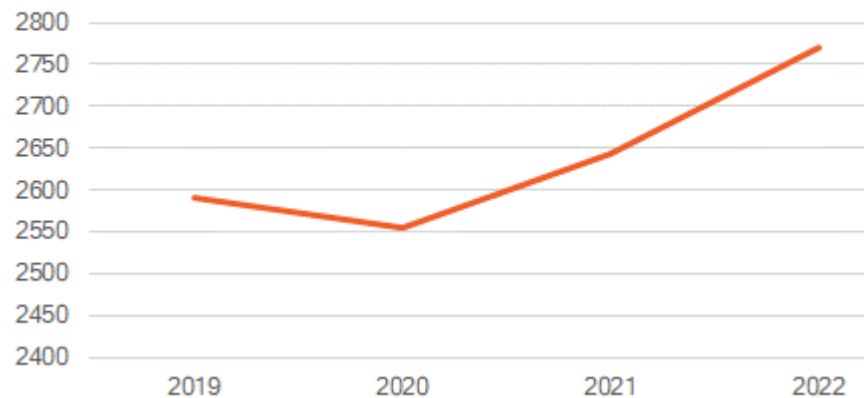


**Costs include fuel for generation, fuel transportation, renewable Power purchases agreements*

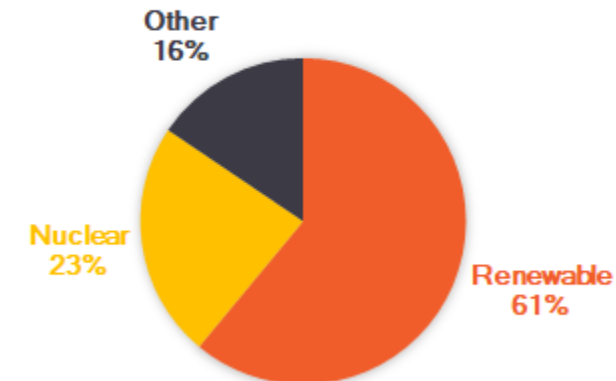
CONSUMPTION VS. GENERATION (MWH)



Historical FY22 Q3 System Peak Demand (MW)



POWER GENERATION AS PERCENT OF CONSUMPTION



System Reliability

CAIDI = Customer Average Interruption Duration Index

Average time to restore service

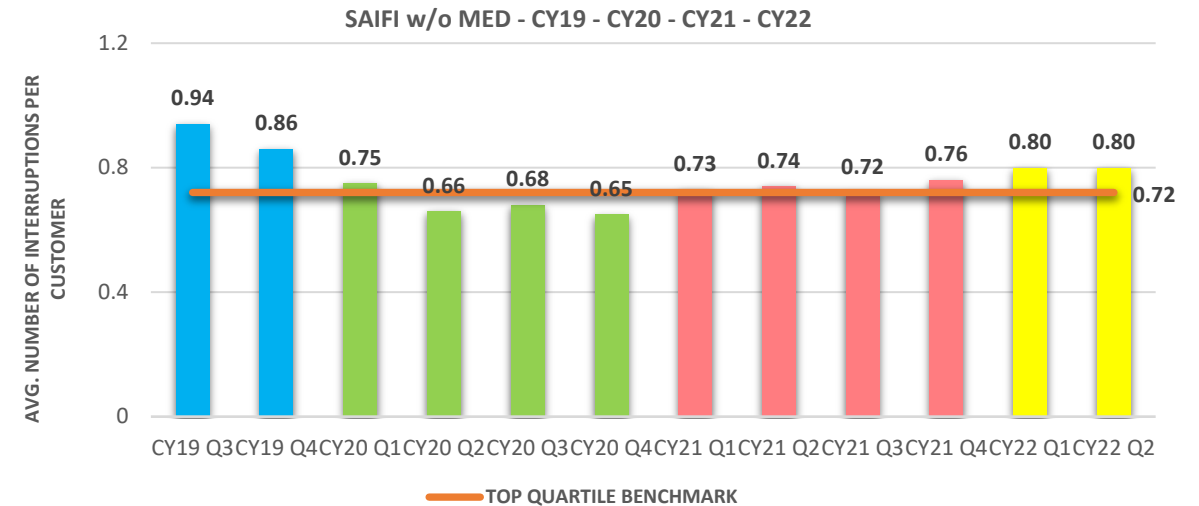
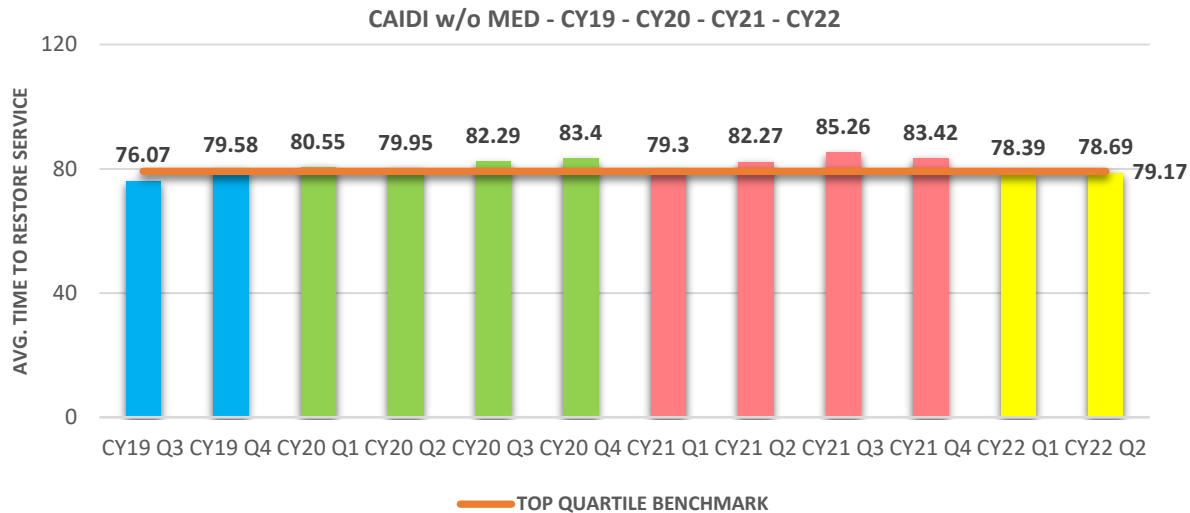
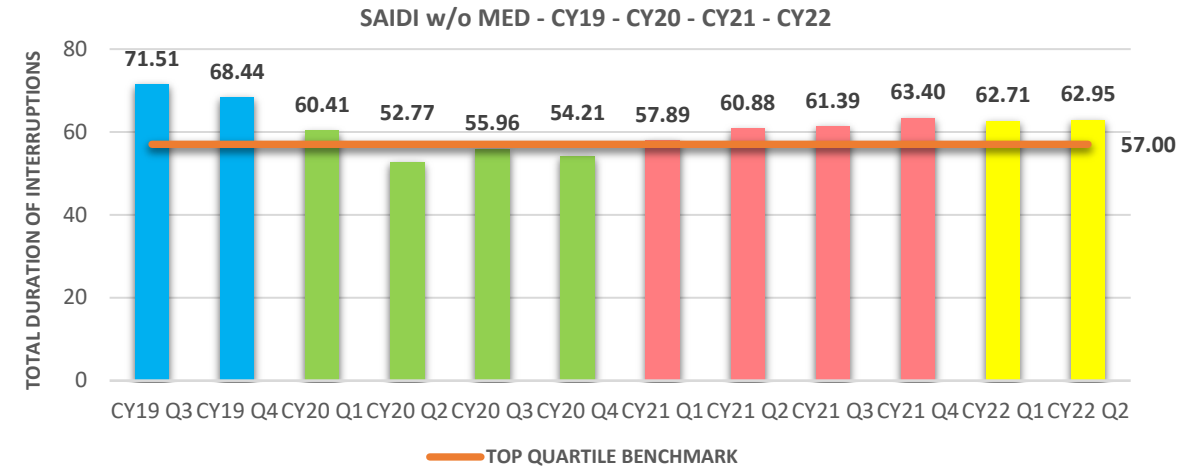
SAIDI = System Average Interruption Duration Index

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

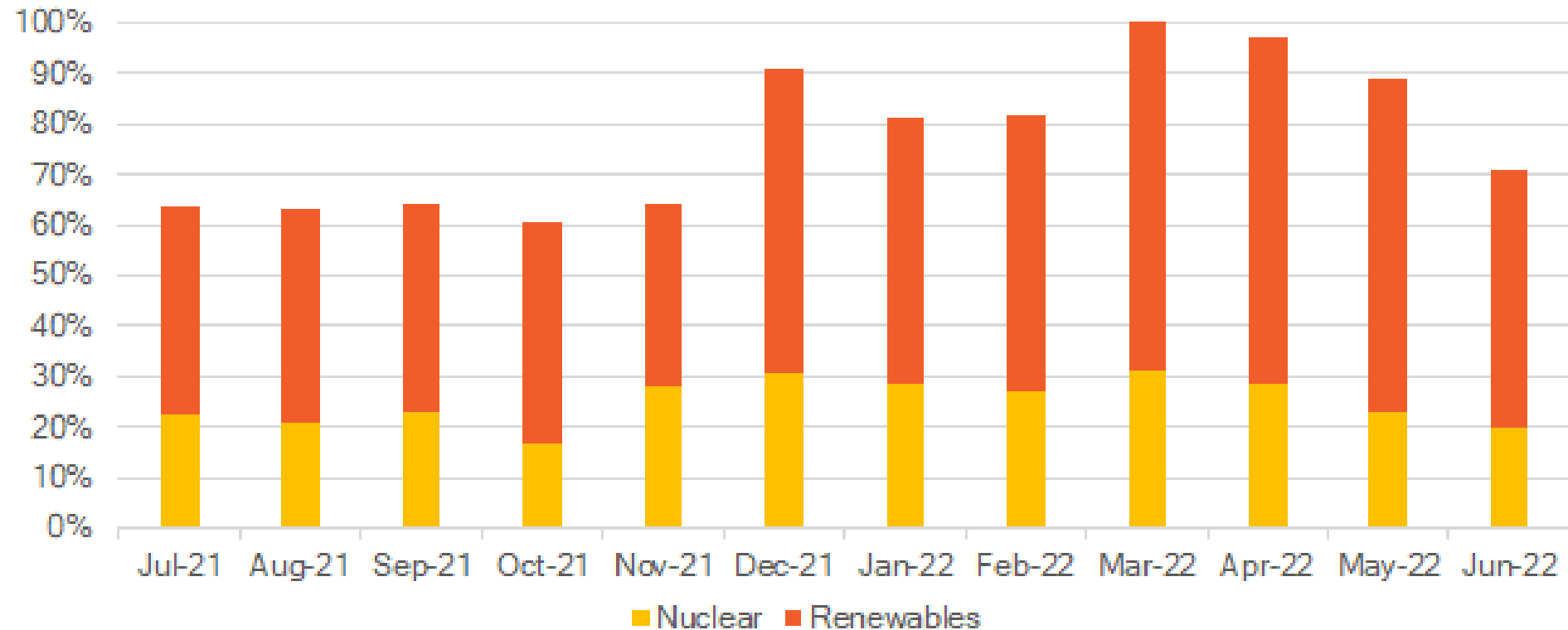


Austin Energy Operations Update

Environmental Performance



Carbon-Free Generation as a Percentage of Load



Environmental Focus

Aragorn Solar Project is now authorized to generate up to 187MW (previous limit set by PPA was 180MW) – thus 7MW increase in renewable portfolio



Austin Energy Operations Update

Grid Resilience Strategic Goal



Grid Resilience Initiatives

AE Strategic Goals 2020

Grid Resilience



Improve Distribution System Reliability

Identify, Rank, and Address feeder maintenance needs in areas historically beset by outages. Identify, Rank and Address system hardening needs in areas most susceptible to wildfire risk.

Phase I – Top 10 Feeders in both Performance and Wildfire Criticality addressed (CY/2022 - IN PROGRESS)

Phase II – Overall Distribution Resilience Program established, roll out (Q1/2022 – COMPLETE)



Improve Substation Reliability

Evaluate substation equipment operation and address legacy equipment needs.

Phase I – Fiskville Substation Upgrades (COMPLETE)

Phase II – Slow Breaker Operation – Rank and Schedule Substation Breakers for maintenance and remediation (COMPLETE)



Improve Underground Network Reliability

Starts with enabling greater Visibility to our downtown network through the integration of our network model into our Advanced Distribution Management System

Phase I – Network Modeled in ADMS – (Q3/2020) (COMPLETE)

Phase II – Network Primary Circuits Complete/Modeled in ADMS – (Q2/2021) (COMPLETE)

Phase III – Network Secondary Circuits Complete/Modeled in ADMS – (Q4/2023 IN PROGRESS)



Transmission System of the Future

As part of the 2030 generation plan, Austin Energy is commissioning a Transmission system study that will investigate ways to achieve our goals set forth in the plan while compensating for the loss of generation plants.

Phase I – Development of evaluation criteria (Q1/2021) (COMPLETE)

Phase II – Develop SOW for RFP release (Q2/2021) (COMPLETE)

Phase III – Transmission System Assessment (Q2/2023 IN PROGRESS)





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