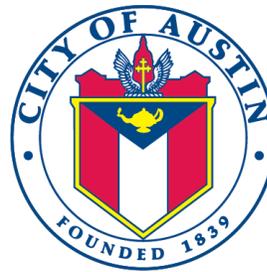


Austin Energy Operational Update Q1 FY21

Electric Utility Commission

Sidney Jackson
Chief Operating Officer, Austin Energy



February 08, 2021

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Austin Energy Operational Update

Vision

Powering a cleaner, brighter future with customer-driven, community-focused solutions.

Mission

Safely deliver clean, affordable, reliable energy and excellent customer service.

Discussion Topics

1. Power Generation & Renewables
2. District Cooling Updates
3. System Reliability
4. Other:
 - ✓ Jan 10th Outage Event in review
 - ✓ Renewable updates



Austin Energy Operational Update Performance

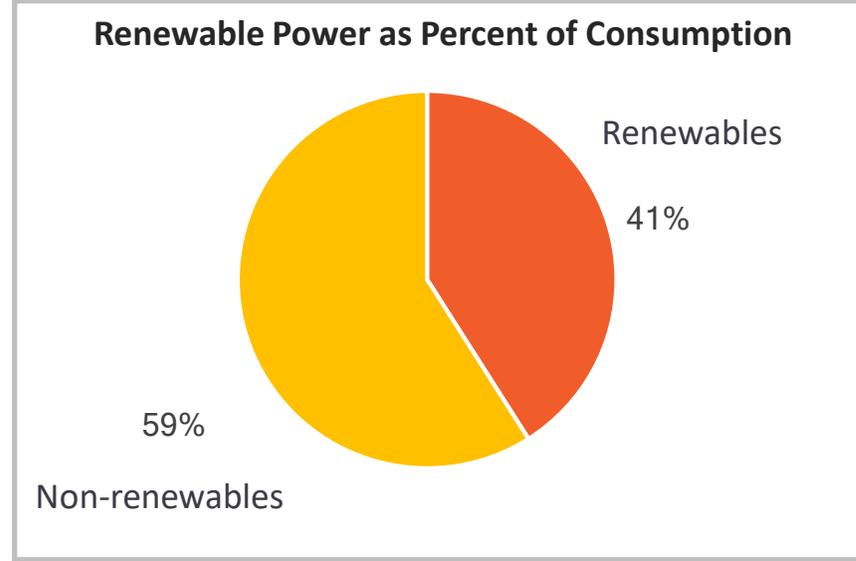
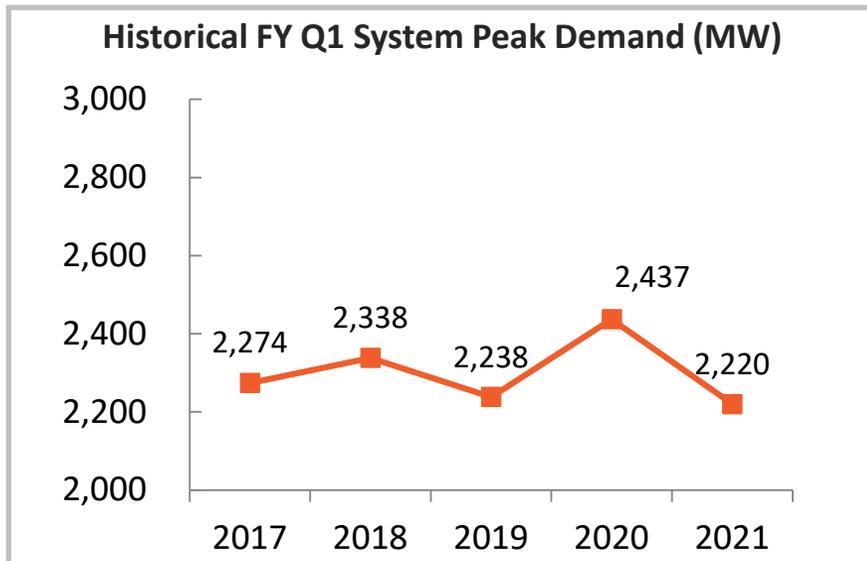
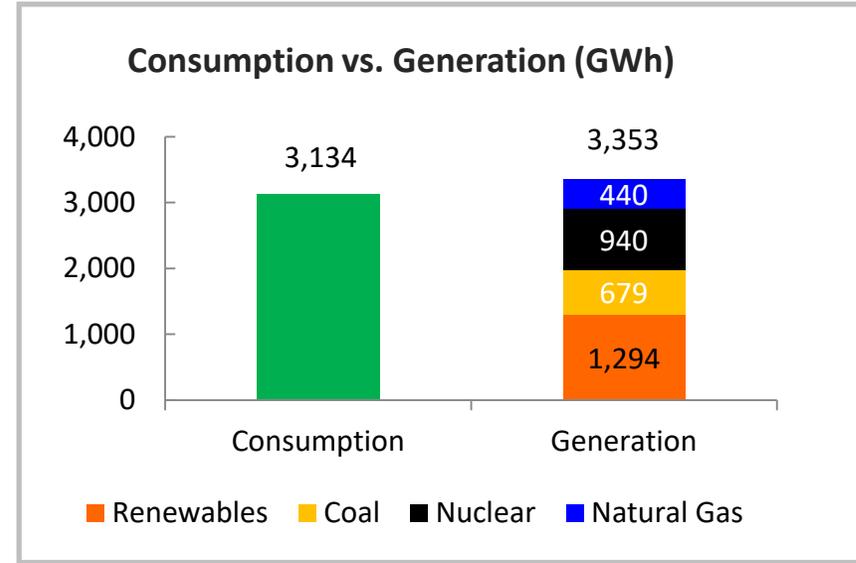
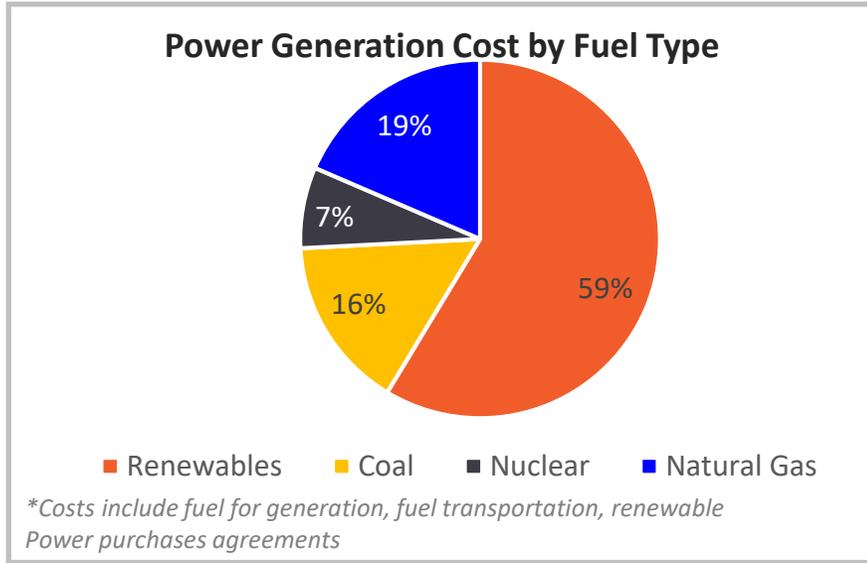
Commercial Availability & Start Success

Generation Resource	Target Seasonal Commercial % Availability	Commercial Availability Actuals (%)	
		Q4 FY20 AVG	Q1 FY21 AVG
Decker Steam Units	95	89	39
Sand Hill Combined Cycle	95	95	69
Fayette Units	97	100	97
South Texas Project	100	100	100

Start Success	Start Success Target(%)	Start Success Actuals (%)	
		Q4 FY20 AVG	Q1 FY21 AVG
Simple Cycle Start Success	99	100	100

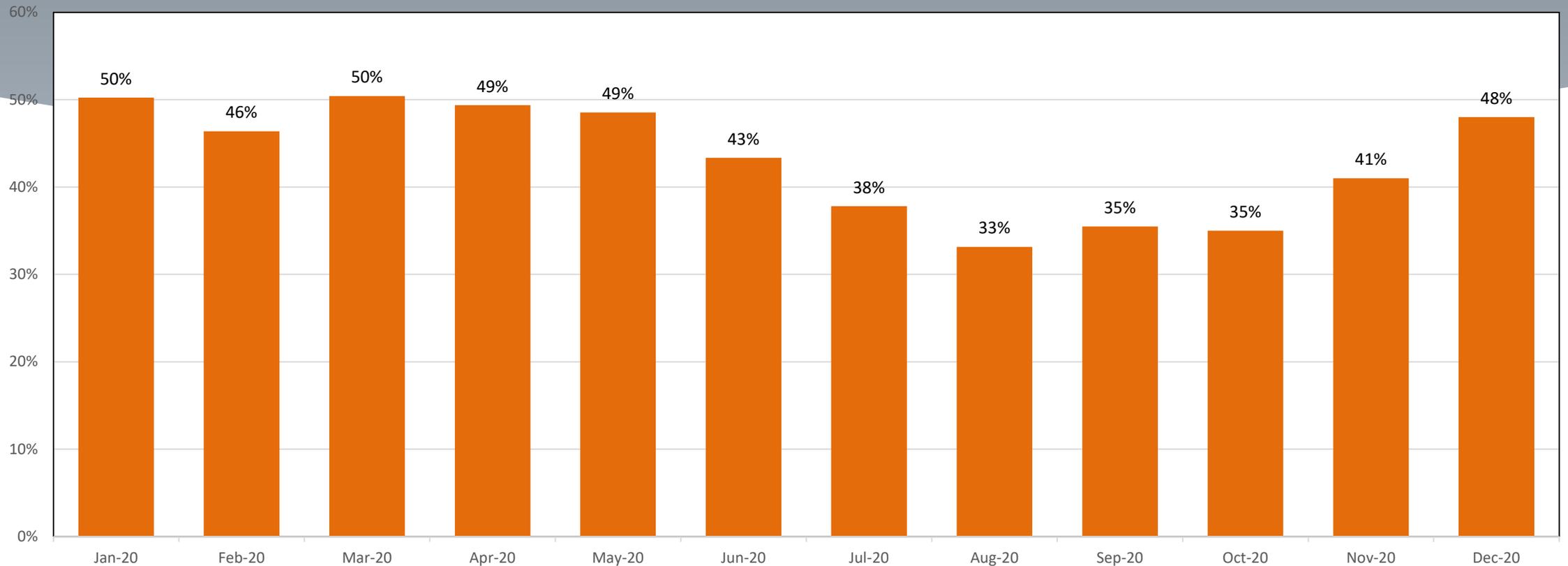


Net Generation and Load Analysis FY 2021 Q1



Renewable Resources Update

Renewable Generation as a Percentage of Load



District Energy & Cooling Activities

District Cooling Plant #3 (Downtown, Crescent Tract)

Constructing 10,000 ton chilled water plant for the Downtown System

- Chiller building and cooling towers are complete
- Start-up and commissioning of major mechanical and electrical equipment is ongoing
- Art in Public Places structure erection is complete
- Remaining work: finishing aesthetic façade, site paving, landscaping, and cleanup
- On-Target for substantial completion in April 2021

District Cooling Plant #4 (Downtown, Convention Center)

3,000 ton chilled water facility on roof of Convention Center

- Project Completed Q3 2020

Austin Community College Highland Campus

Constructing a 6,000 ton chilled water plant with Thermal Energy Storage

- Chillers, switchgear, pump, piping, TES tank, cooling tower, and other plant appurtenances are all on site and being installed in accordance to schedule and manufacturers recommendations
- On-Target for substantial completion in Q2 2021

Mueller Energy Center #2 (Mueller Redevelopment Zone)

Constructing a 6,000 ton chilled water plant with Thermal Energy Storage

- Design and equipment selection in-progress
- Targeted for substantial completion in Q2 2022



Distribution Grid Resilience

Grid Resilience Metric	On Target	FY 2021 Target	Last Reported Value	Variance
System Average Interruption Duration Index (SAIDI)	Yes	57.00	55.96 (FY20)	1.04
System Average Interruption Frequency Index (SAIFI)	Yes	0.7	0.68 (FY20)	0.02
Customers Experiencing Multiple Interruptions (CEMI) <i>*n=04; Number of customers with interruptions>=n</i>	Yes	7%	Rolling 365: 1.92%	5.08%

Project Updates:

[Improve Distribution System Reliability](#)

Worst Performing Feeders (WPF) and Wildfire Mitigation Feeders (WFM) identified; 36 IR line inspections completed as of 11/16/20; Vegetation management work under way

[Improve Substation Reliability](#)

Fiskville MB1 upgrade - Design complete, and construction begun; On track to complete 02/26/21 pending approved ERCOT outages

[Improve Underground Network Reliability](#)

GIS- Data modeling and testing complete; ADMS- go live completed 9/20/2020
Downtown network model "live" as of 9/25/2020; Full network modeled Q4FY21

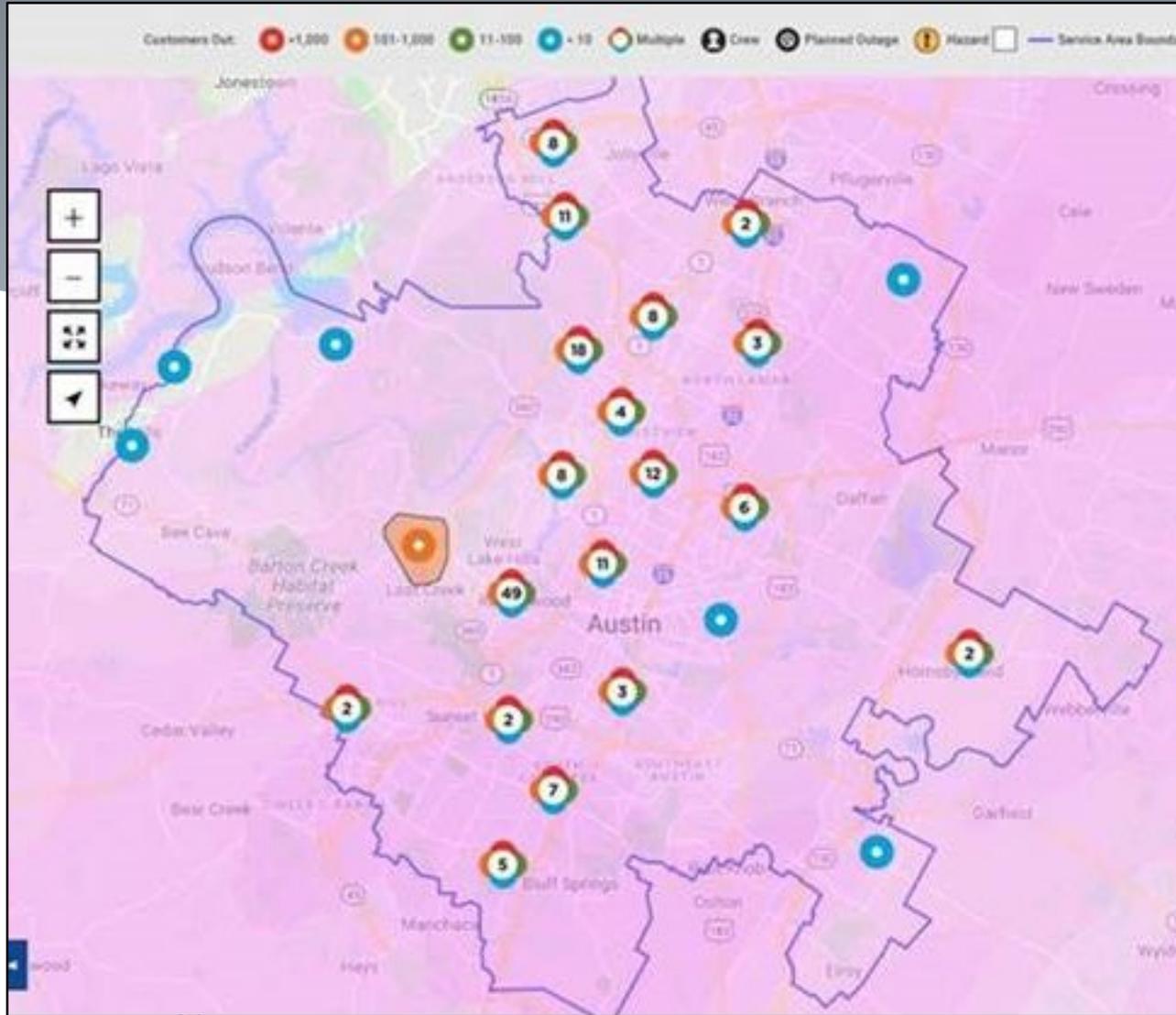
[Transmission System of the Future](#)

08/31/20- RFP development in discovery phase; Conduct guidelines developed and distributed for signature; Team working on solicitation for consultant Q3FY21



Snow Event - Jan 10-11

Outage Restoration



- ✓ **Outage Start:** Jan 10th 10:52 AM
- ✓ **Outage End:** Jan 11th 10:29 AM
- ✓ Up to 4" of snow received across region. Relatively little wind.

Outage Stats:

- 66,345 customer affected
- 6,933 customer calls
- Distribution Breakers Tripped – 32 circuits

Outage Characteristics:

- No distribution poles down
- Vegetation contacts – common failure mode (falling branches, vegetation contacts)
- System Protection effectively protected public while successfully isolating electrical faults

Environmental Focus

Renewable Initiatives

Austin-Bergstrom Airport Project (ABIA)

- Parking on 6th floor opened on 12/17/2020
- Contractor working up pricing for bollard installation on 6th floor for raceways extending up thru the parking deck
- Shutdown for System A,B & C was scheduled on 1/19/2021 to reconnect the equipment and was completed
- On-Target for substantial completion in February 2021

New Wind and Solar Resources

- Raymond Wind Farm (200 MWs) achieved PPA COD on December 29, 2020
- Gulf Wind Farm's (170 MWs) expected COD is now mid-February
- Pflugerville Solar (144 MWs) and Aragon Solar (180 MWs) are both expected to achieve COD in Q3 2021



Austin Energy Operational Update

Conclusion/Questions

