Austin Energy Operational Update EUC – September 2018

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Austin Energy Operational Update Discussion Topics







Overview

Austin Energy's role in the electric market and how we serve our customers

Performance

Commercial Availability and System Reliability are metrics we stand behind

Future State

Where we are focused in serving our customers and the community



Austin Energy Operational Update Operations Overview



What we do

Electric Wholesale Market



Austin Energy's Owned and Contracted Assets



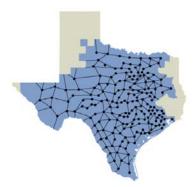
Austin Energy delivers your generation to the ERCOT Wholesale Market

- 430 MW Nuclear
- 600 MW Coal
- 1,497 MW Natural Gas
- 100 MW Biomass
- 1,417 MW Wind
- 790 MW Solar



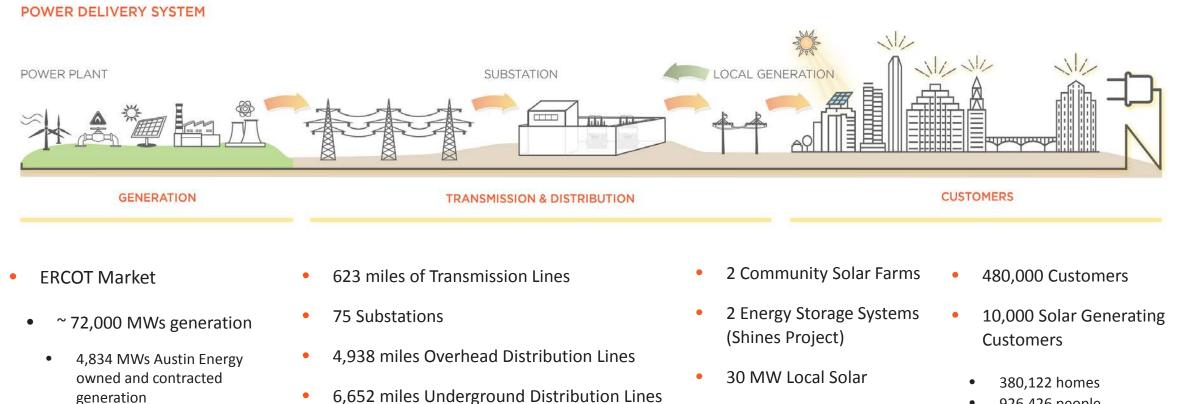








How We Do It

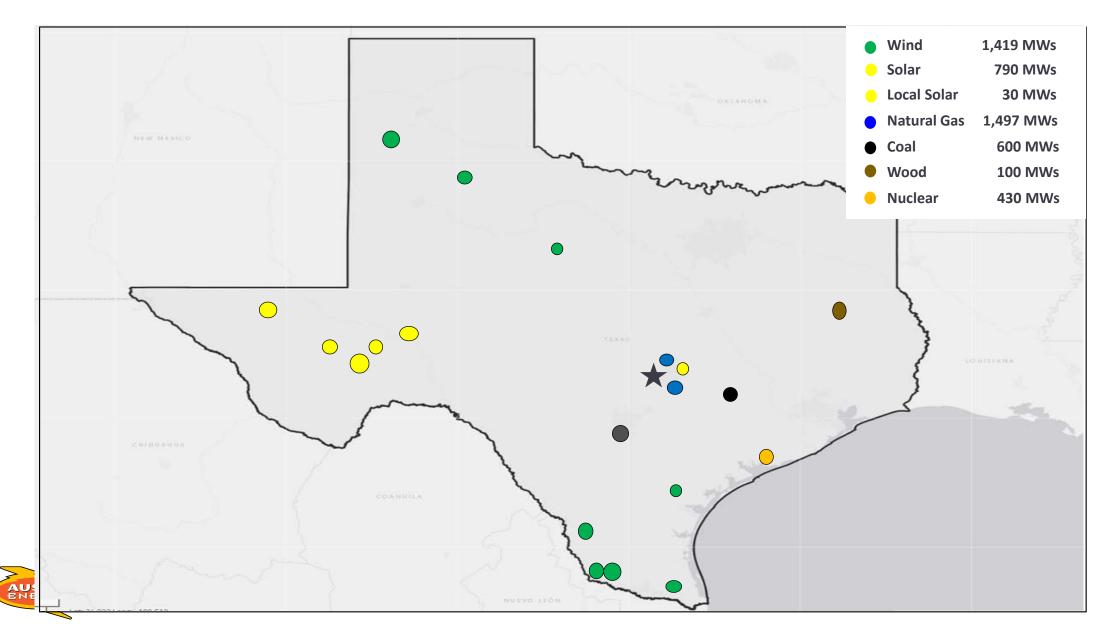


- 926,426 people
- 596 schools, hospitals
- 23 police, fire stations
- 56,879 of businesses

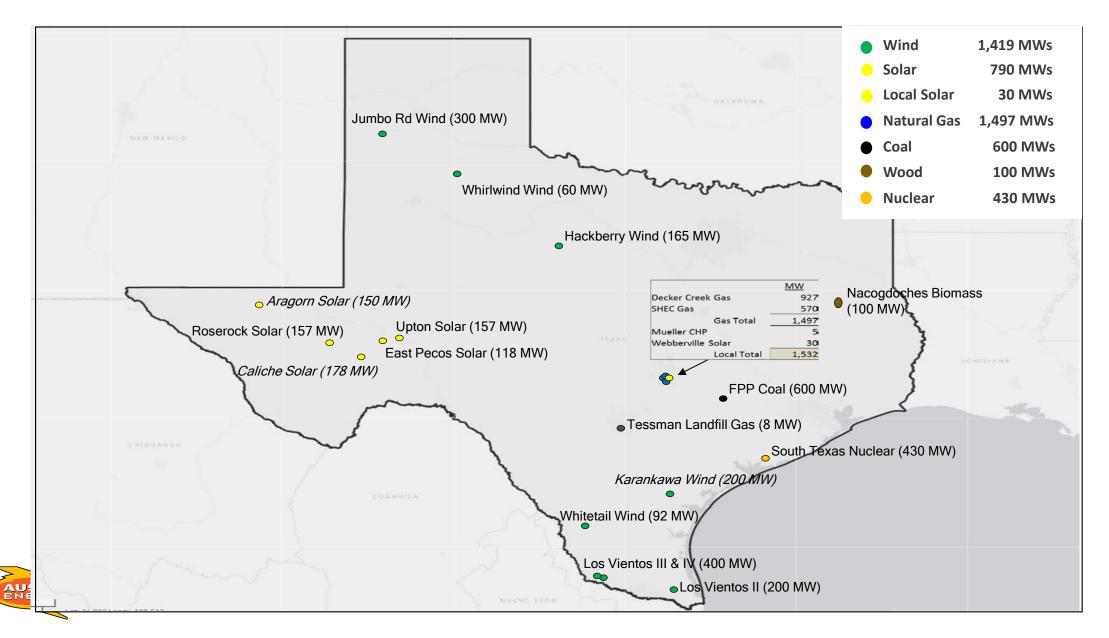


- 6,652 miles Underground Distribution Lines •
- 80,000 Distribution Transformers ۲
- 180,000 Distribution Poles

Austin Energy Generation



Austin Energy Generation



Austin Energy Operational Update Performance





Commercial Availability & Start Success

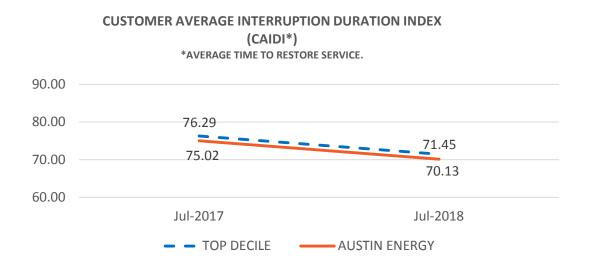
Commercial Availability

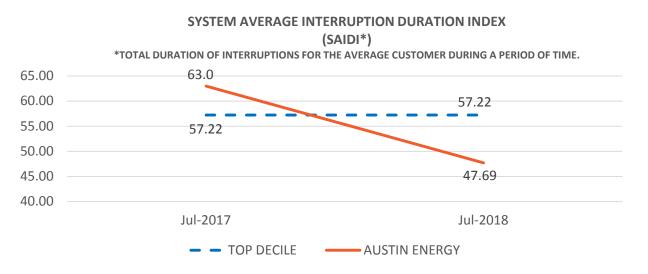
Generation Source	June-August 2018 Commercial Availability (%)	Seasonal Commercial Availability Target (Jun-Sept) (%)
Decker Steam Units	96.78	95.00
Sand Hill Combined Cy	/cle 93.80*	95.00
Fayette	98.68	97.00
South Texas Project	100.00	100.00
Start Success		
	June-August 2018 (%)	Monthly Target (%)
Simple Cycle Start Succe	ess 99.67	99.00



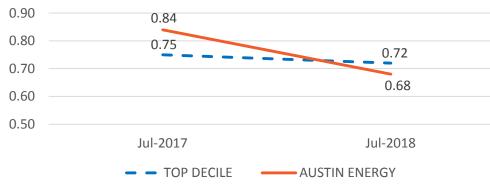
* Below target due to four day July outage to repair heat recovery steam generator tube leak

System Reliability and Improvement Projects





SYSTEM AVERAGE INTERRUPTION FREQUENCY INDEX (SAIFI*) *HOW OFTEN THE AVERAGE CUSTOMER EXPERIENCES A SUSTAINED INTERRUPTION OVER A PERIOD OF TIME.



SYSTEM IMPROVEMENTS

- Identification of lower performing circuits
- Increased distribution maintenance and targeted vegetation management
- Improved fault location and outage management



Austin Energy Operational Update Future State





Our Customers (improving reliability and connectivity)

- AMI Upgrades
 - (Residential & Commercial Meters)
- Small Cell Deployment
- Customer Reliability Assessments

Our Community (ensuring the resiliency of the system)

- Repowering Downtown
- Bluff Springs Substation
- 69 to 138kV Conversion

Environmental (reducing our carbon footprint)

- Reducing our fossil fuel
- Expanding Renewable Portfolio

Grid Modernization (innovating to a smart future)

- SHINES Deployment
- (Sustainable and Holistic INtegration of Energy Storage and Solar PV)
- Advanced Metering Infrastructure
- Grid Automation
- Distributed Energy Resource Integration
- Asset Management





Customer Driven. Community Focused.SM



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