



2020 Fall Technical Workshop (Online)

September 29, 2020 - November 12, 2020

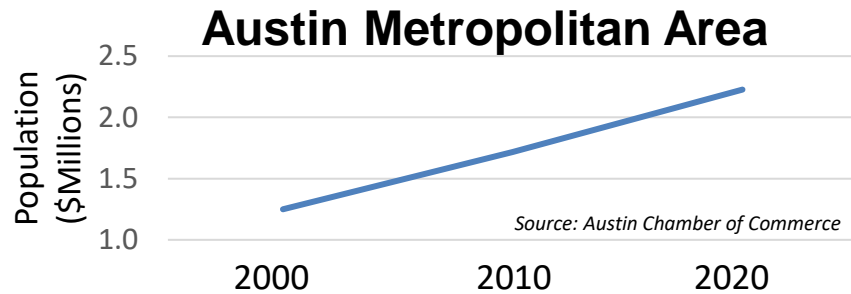


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AUSTIN- GROWTH, TALENT, TECHIES

Leading Population Growth 9 years in a row



--- Destination of Migrating Talent ---

Austin made companies:

- ✓ **DELL**
- ✓ **Whole Foods** ...

- **58 Corporate Relocations**
- **Major footprint expansion of**
 - ✓ **Apple**
 - ✓ **Google**
 - ✓ **Facebook**
 - ✓ **Amazon**

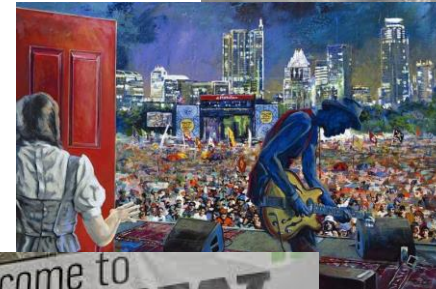
2019

- **Adding to existing global brands:**
 - ✓ **Samsung**
 - ✓ **IBM**
 - ✓ **Oracle**
 - ✓ **AMD**
 - ✓ ...

➤ **TESLA Giga Texas is coming to TOWN, \$1.1 b Assembly Plant**

KEEP AUSTIN WEIRD

- *Home of Largest Urban Bat Colony (1.5M)*
- *Hill Country: Parks, Trails, Outdoors, Hiking*
 - *Lake Travis (60 Miles long)*
- *Music, Art, Innovation Scenes*
 - *Austin City Limits*
 - *South by Southwest*

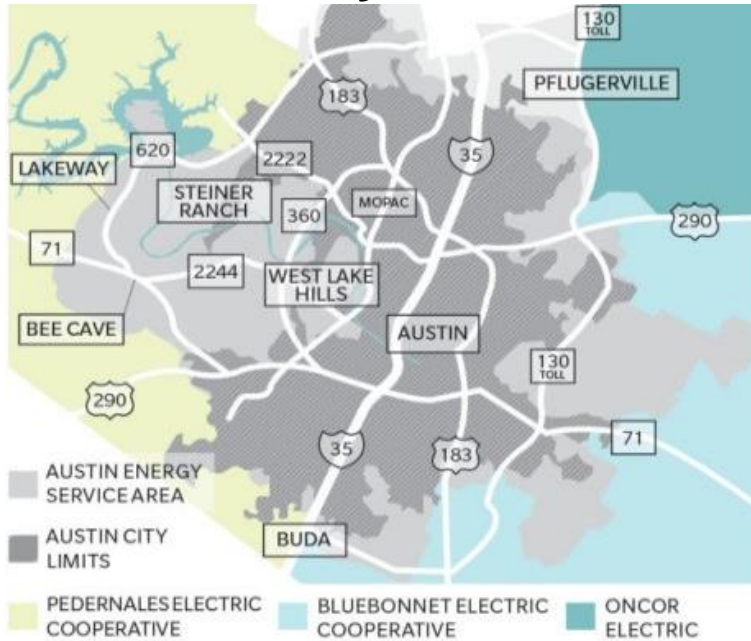


October
~ 450,000 Attendees

March
~280,000 Attendees

AUSTIN & TEXAS ENERGY STATE

Electric Utility Service Area



CITY OF AUSTIN

Goals (2030-2035)

- 100% Carbon Free
- 1,200 MW EE and Demand Response
- 375 MW Local Solar Generation

- ✓ Supplied 38% renewable power
- ✓ Purchased power from
 - 6 Utility-Scale Solar Farms
 - 8 Wind Farms

2019

- ✓ Supporting Private-Public Partnerships on Electric Transportation
- ✓ Microgrid Projects (Austin SHINES)

TEXAS Renewables

- ✓ More than 25% of all corporate renewable energy signed deals around the world
- ✓ 25 GW Wind Power, 3.4 GW Solar (installed capacity)
- ✓ In May 2020 added 420 MW of load, and 1,057 MW of Solar (total ~ 5 MW)

WE ARE ALL HERE TO HELP

Significant Distributed Resource Activity in Texas Metropolitan areas

- *Increased DER adoption*
- *Demand Response Programs*
- *Electrification of Transportation & Technology*
- *Resilience & Microgrids*



ENABLE THE FUTURE

Working together to bring solutions to the many challenges of our Evolving Grid

Grid Digitization

Data Management

Technology Modelling

Grid Planning

Load Prediction and Forecast

Market Animation & D-SCED

Visibility and control of DER

Grid Architecture

Interoperability

Regulatory

Advanced Networks

New Intelligent Software

Optimization, AI

Distributed Modular DMS



ESIG

ENERGY SYSTEMS
INTEGRATION GROUP