

Texas for Clean Power, Clean Power for Texas

January 27, 2020 - UMW

What We'll Cover

- Why There's Reason for Hope, Especially in the Power Sector
- Coal's Decline
- Advanced Energy Jobs
- The Imperative to Deal with Climate Change
- What you can do

Texas Grid Operator Reports Fuel Mix Is Now 30% Carbon-Free

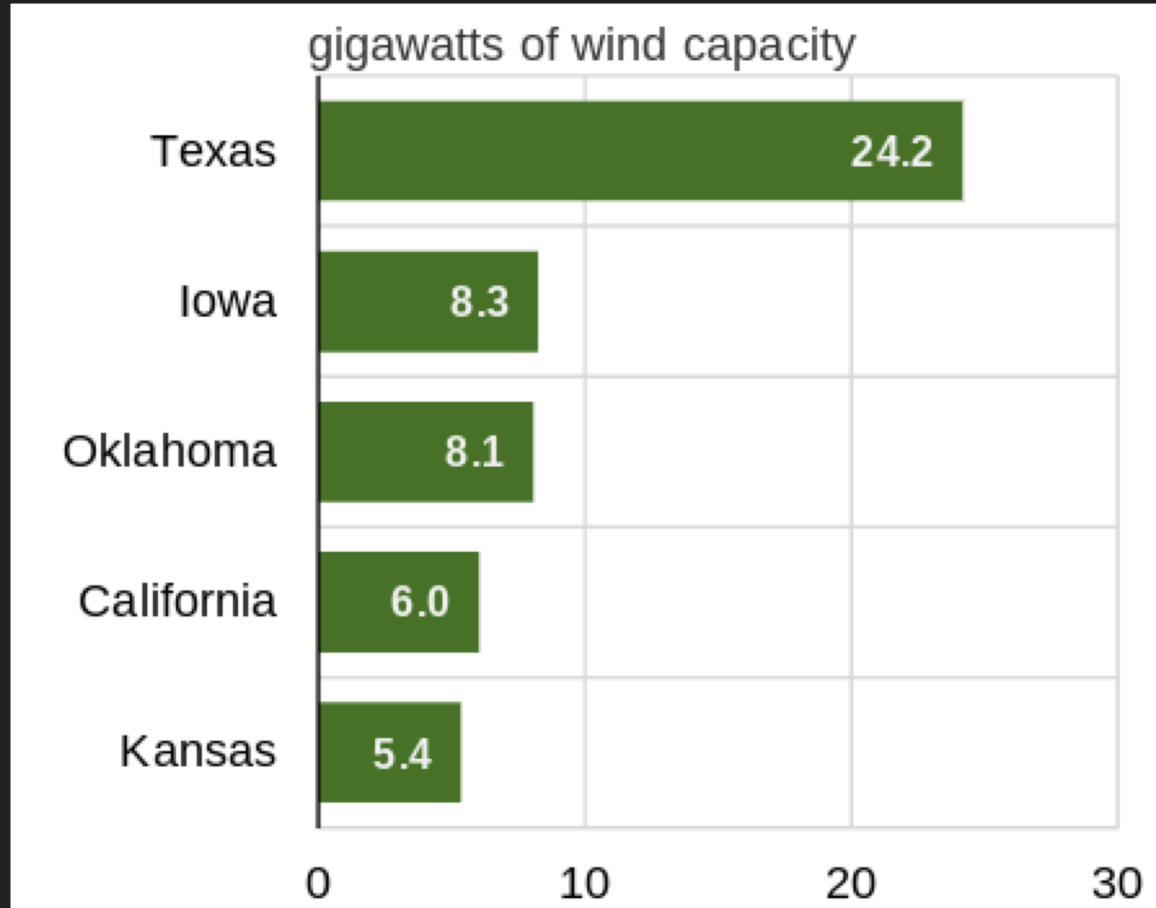
The latest data from ERCOT shows wind generation set new records in 2018—and lots of solar in the pipeline.

JEFF ST. JOHN | JANUARY 23, 2019



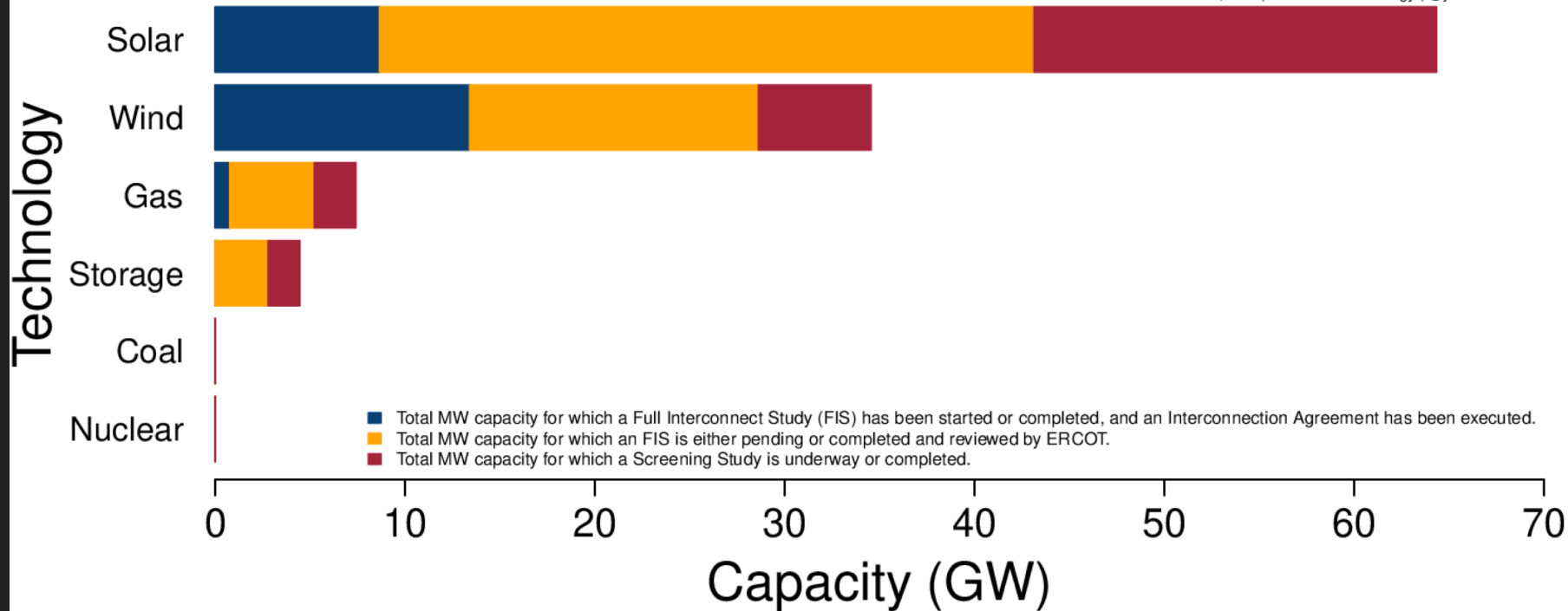
96

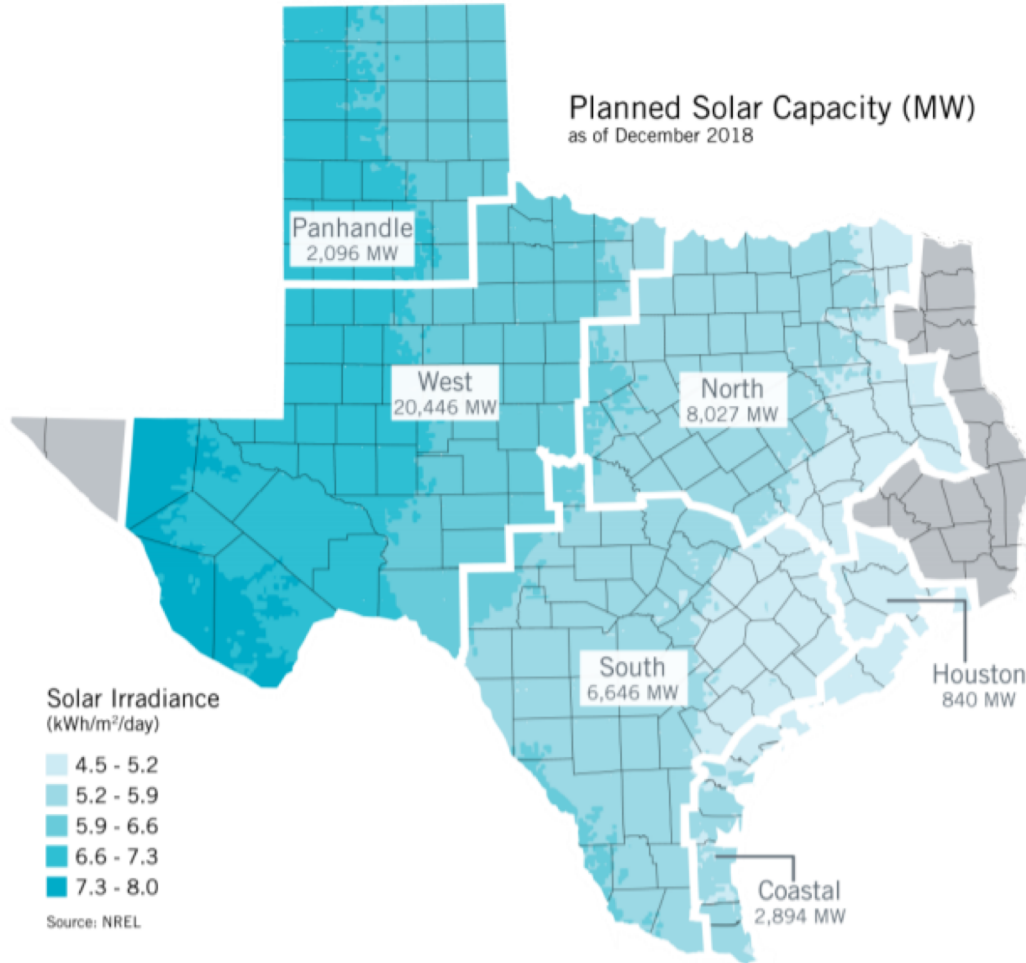
Texas is #1 in wind with nearly 3x next closest state



ERCOT Interconnection Queue (September 2019)

Joshua D. Rhodes, PhD | Vibrant Clean Energy | @joshdr83

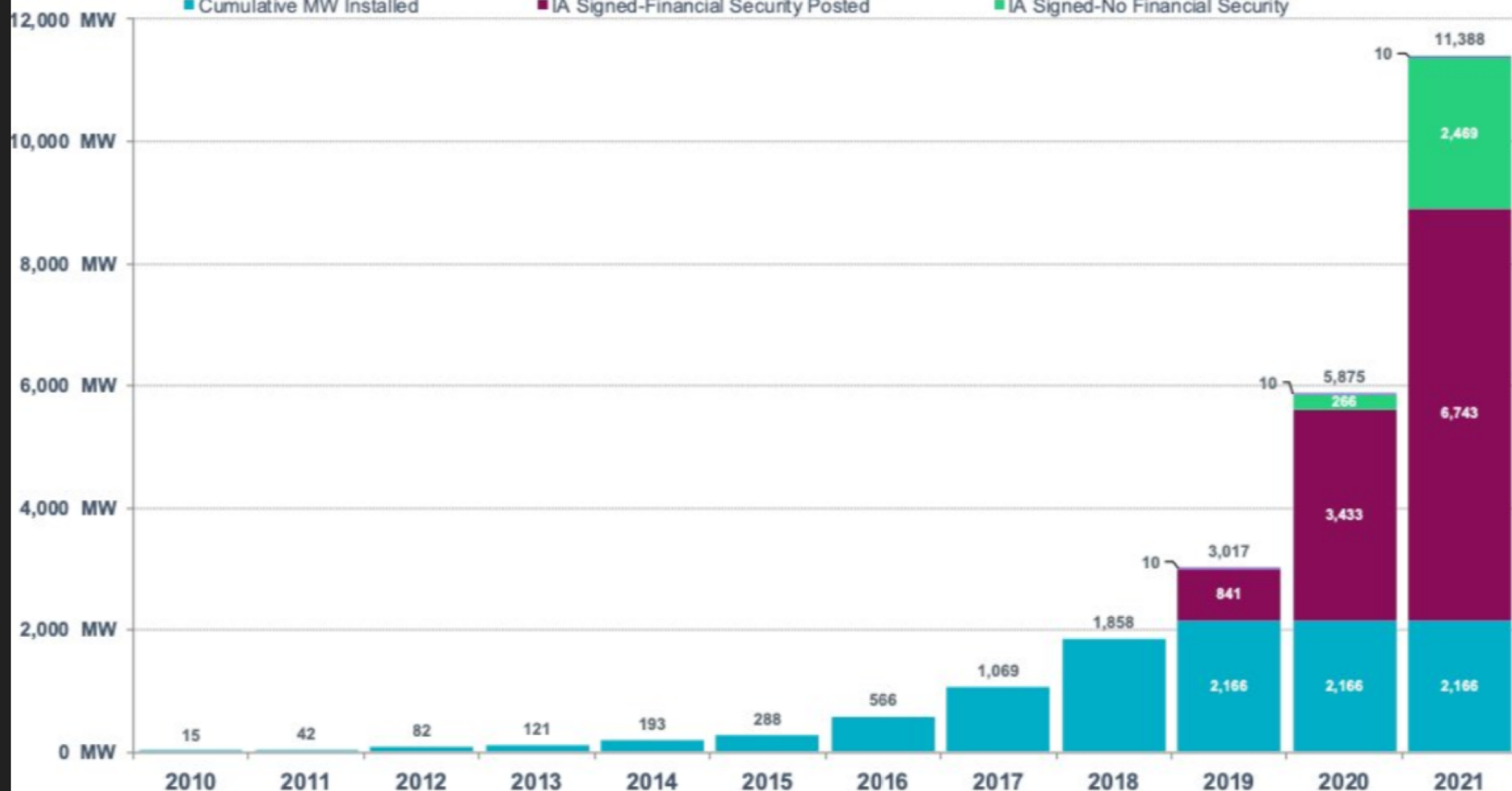




Solar is coming
#summerofsolar

ERCOT Solar Additions by Year (as of Nov 30, 2019)

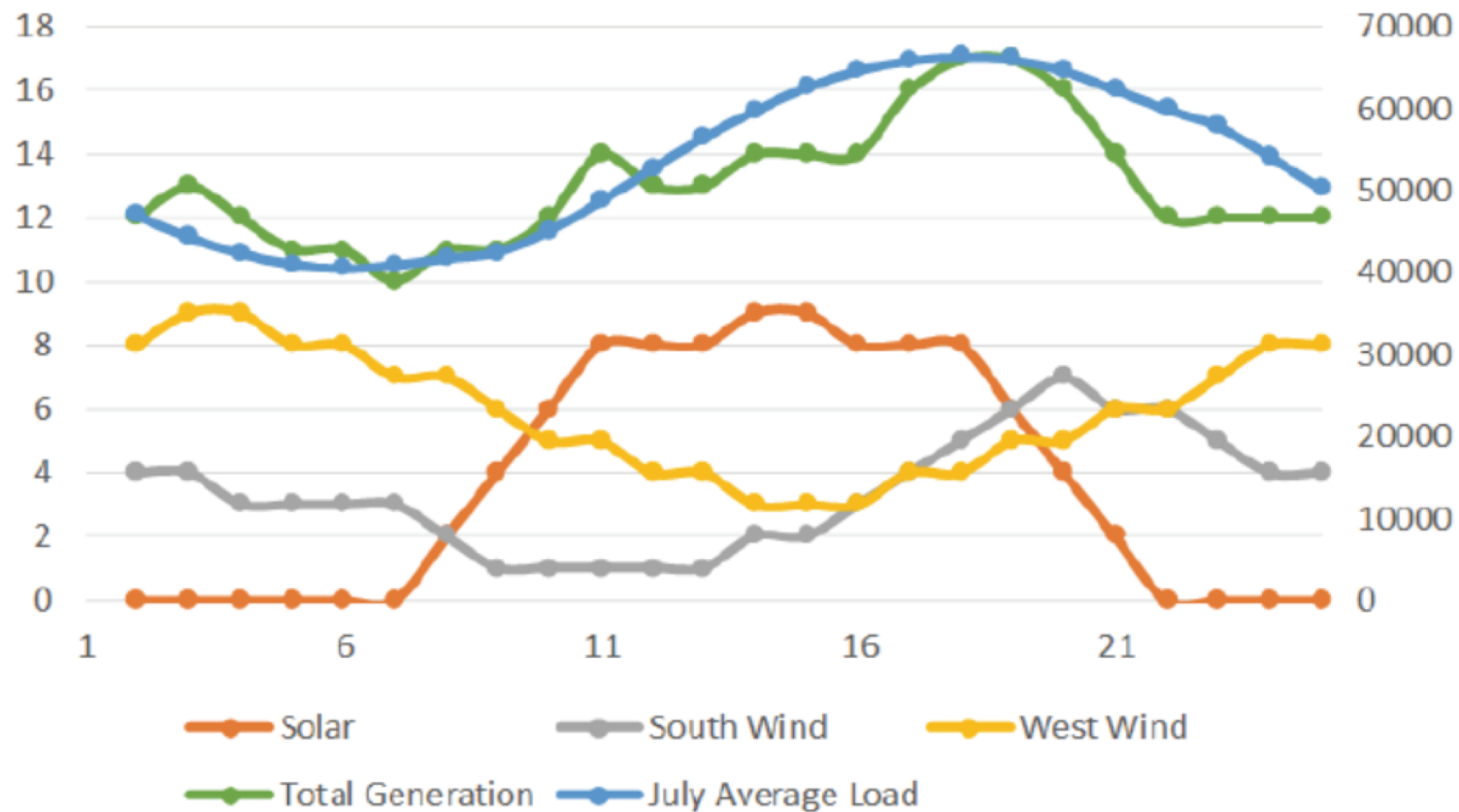
■ Cumulative MW Installed ■ IA Signed-Financial Security Posted ■ IA Signed-No Financial Security



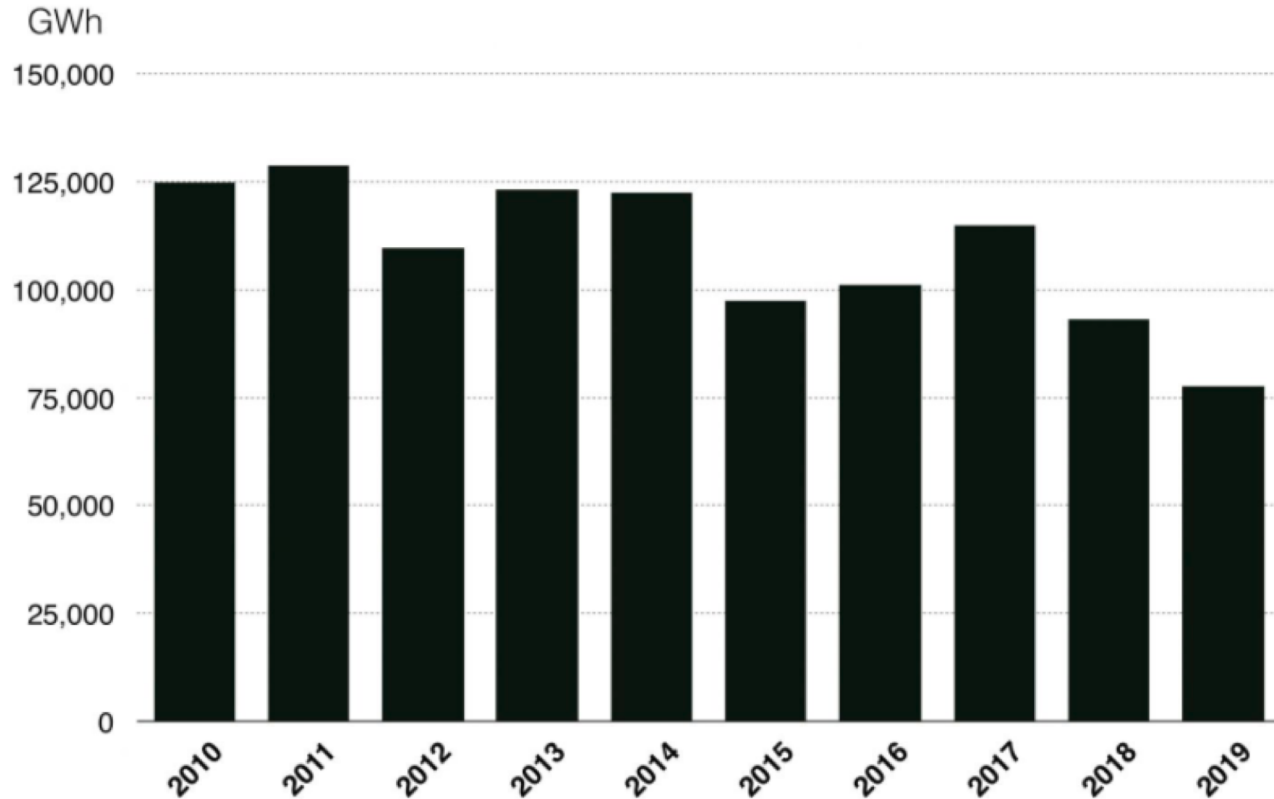
But the wind doesn't always
blow and the sun doesn't
always shine!!



Texas Wind, Solar, and Load



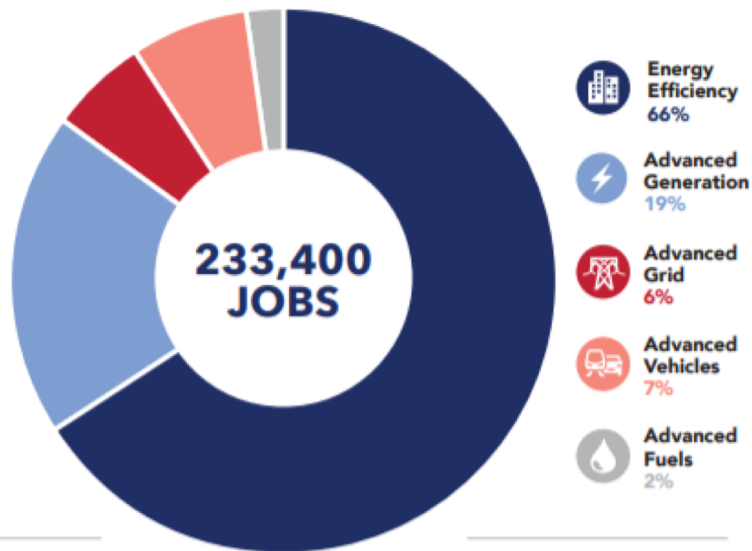
Coal Use Down Significantly but still too high



Source: http://www.ercot.com/content/wcm/lists/181766/FuelMixReport_PreviousYears.zip

ADVANCED ENERGY:

A Wide Range of Texas Jobs



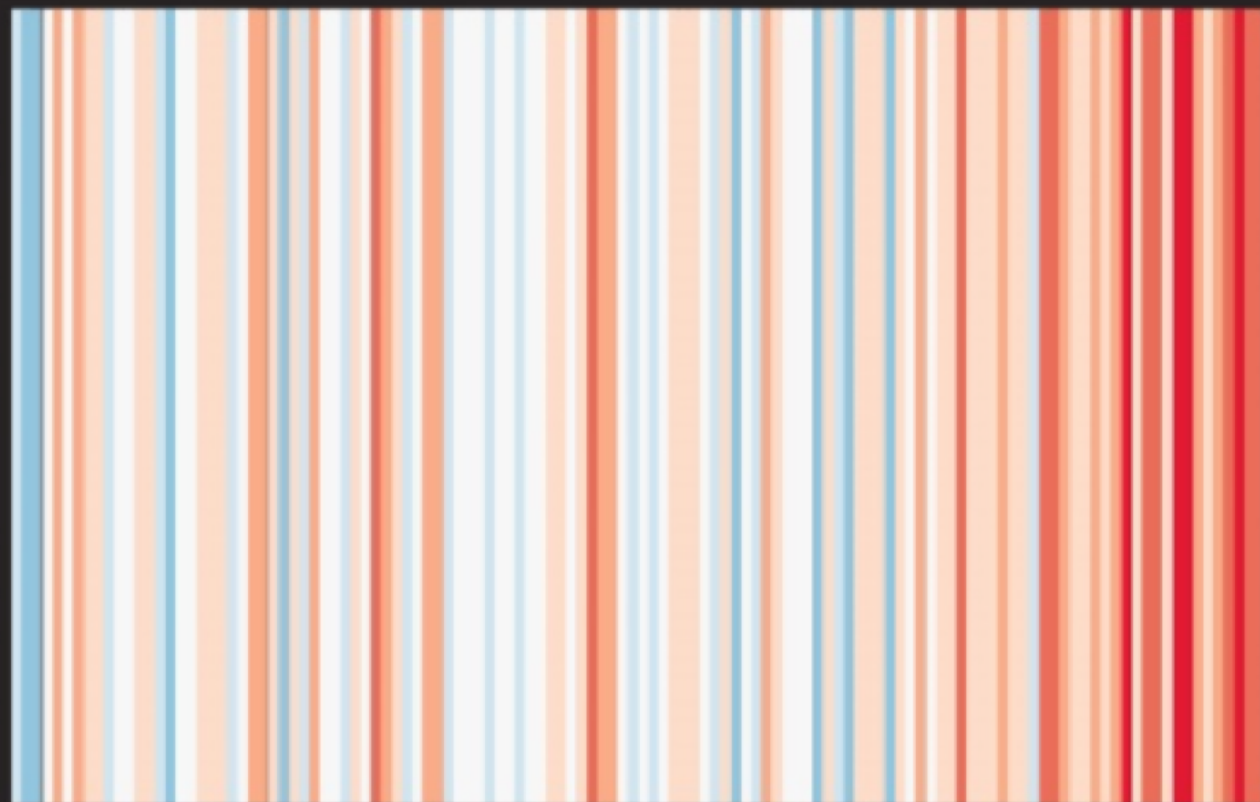
154,600 JOBS
in Energy Efficiency

Helping homes,
offices, industry
save money



44,200 JOBS
in Advanced Electricity Generation

Solar, bioenergy,
natural gas, wind
& nuclear power



1898

AUSTIN

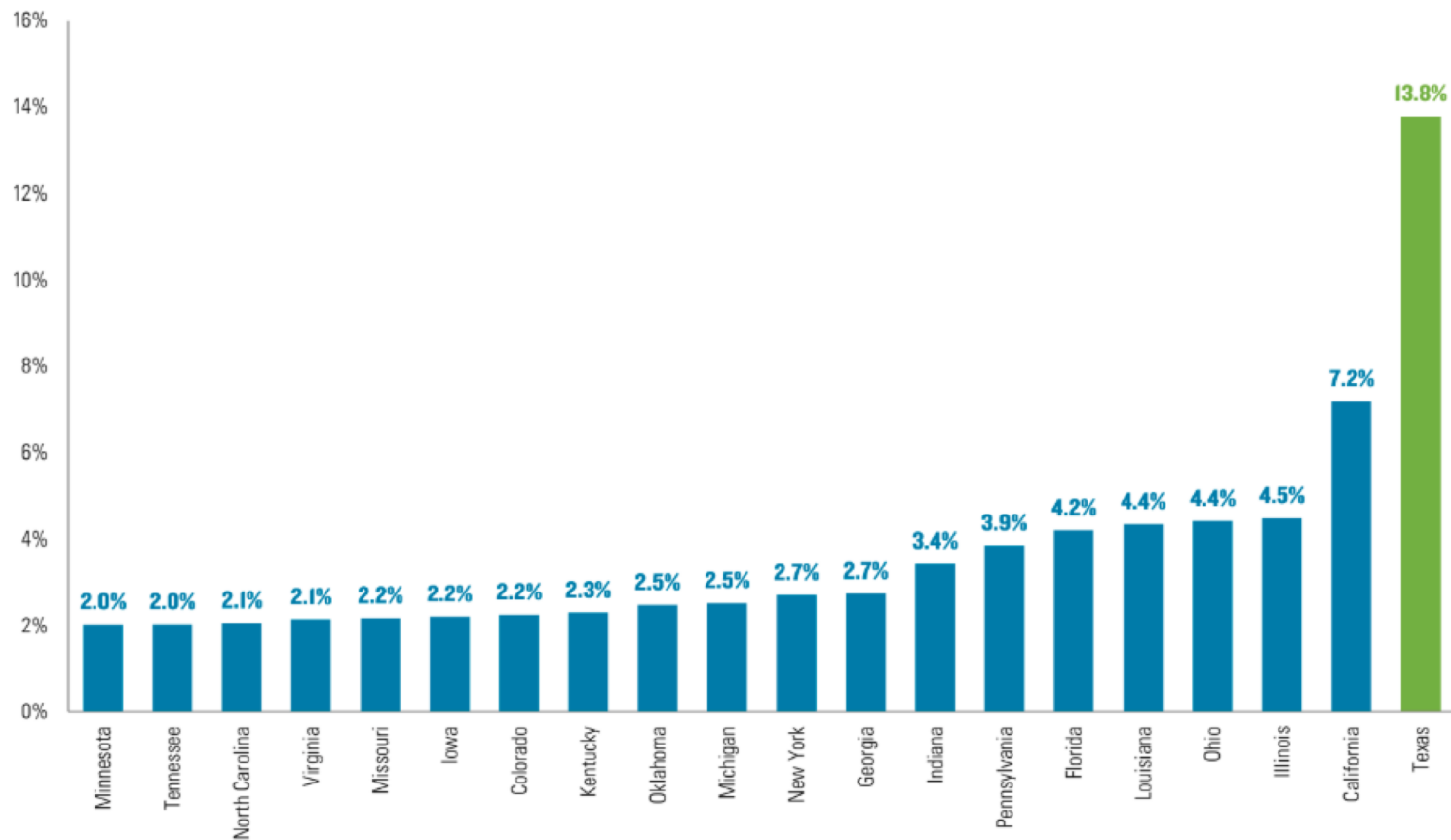
2018

Based on Ed Hawkins' 'warming stripes'. Data from RCC-ACIS.org

CLIMATE  CENTRAL

When it comes to state action, Texas matters

2016 top emitting states' share of US net total (MMt CO₂e)



So what can we do?

- Talk about climate change.
- Put pressure on policymakers to:
 - Hold hearings
 - Require adaptation and resiliency plans
 - Present their plans for reducing emissions
- Support
 - Bulk renewables in the ERCOT market
 - Storage
 - Electric vehicles
 - Distributed energy resources (DERs)
 - Regulation of flaring
 - Carbon capture and storage
- Don't forget to engage on local climate plans: both adaptation and mitigation