

DOE & HMSDC Business Energy Summit

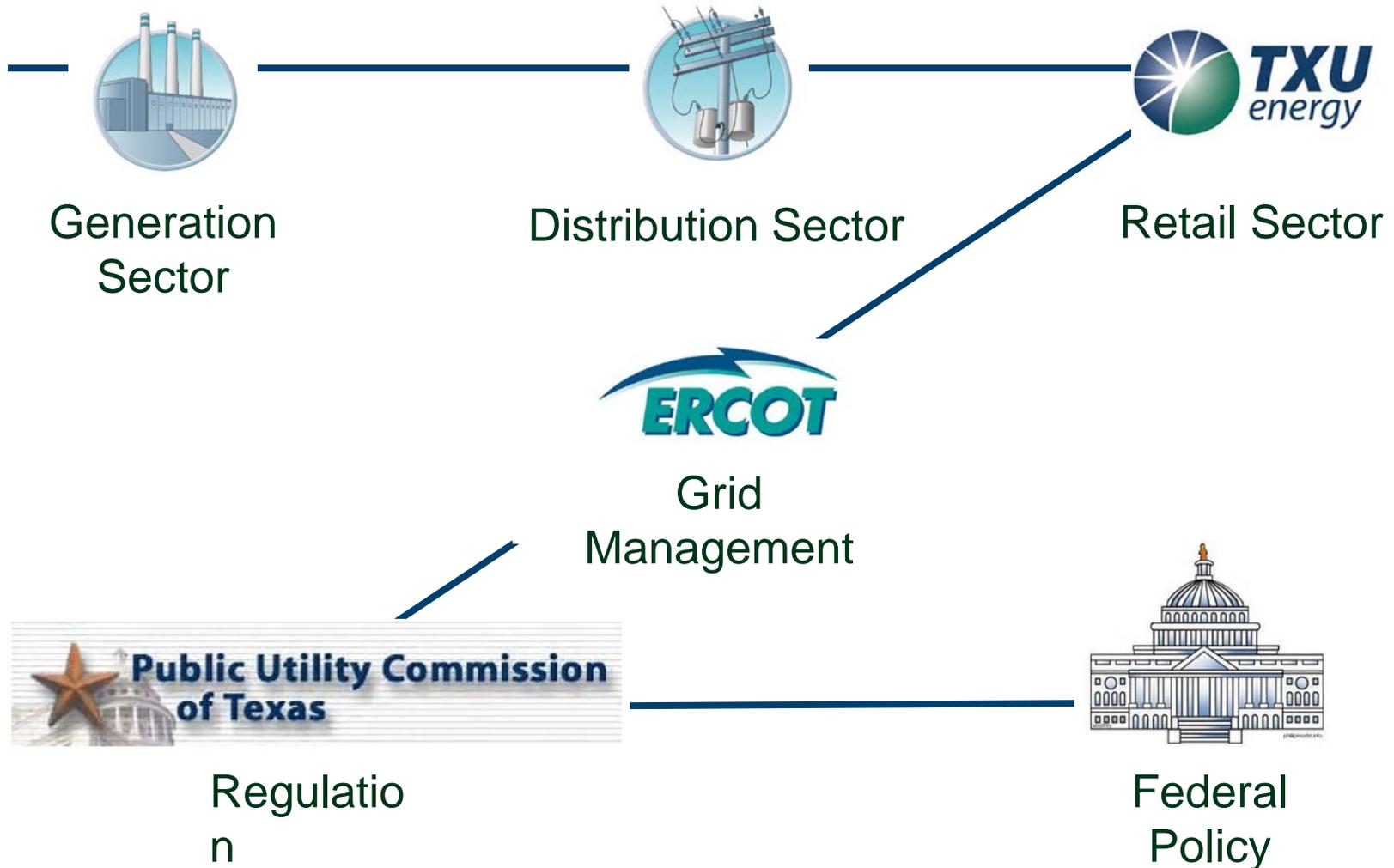
November 29, 2017

Larry Autry

Director – Key/Major Accounts

TXU Energy

Renewables Impact Power Sectors and More

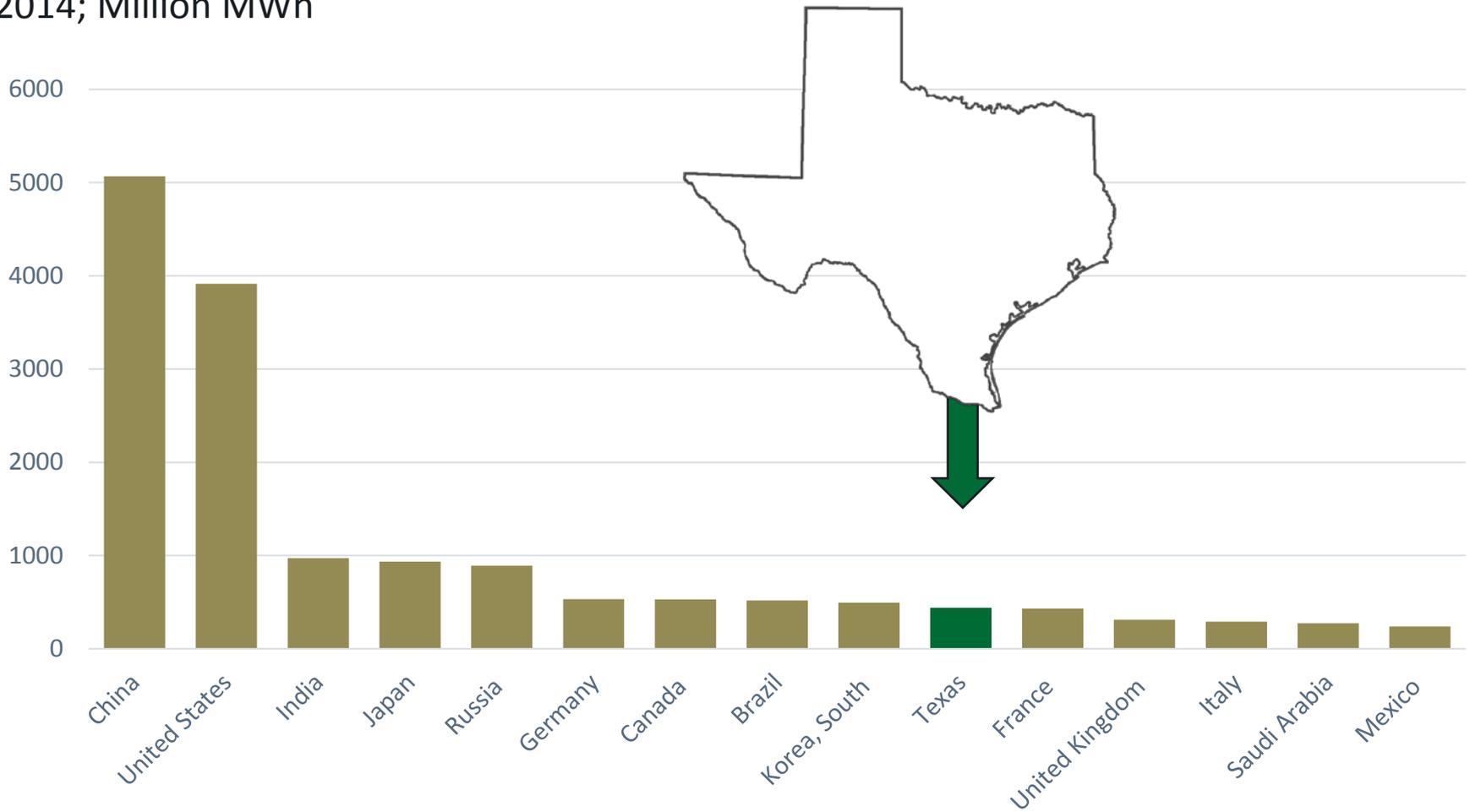


Renewable Generation/Energy has been a disruptive force

Texas is 10th Largest Electricity Market Globally

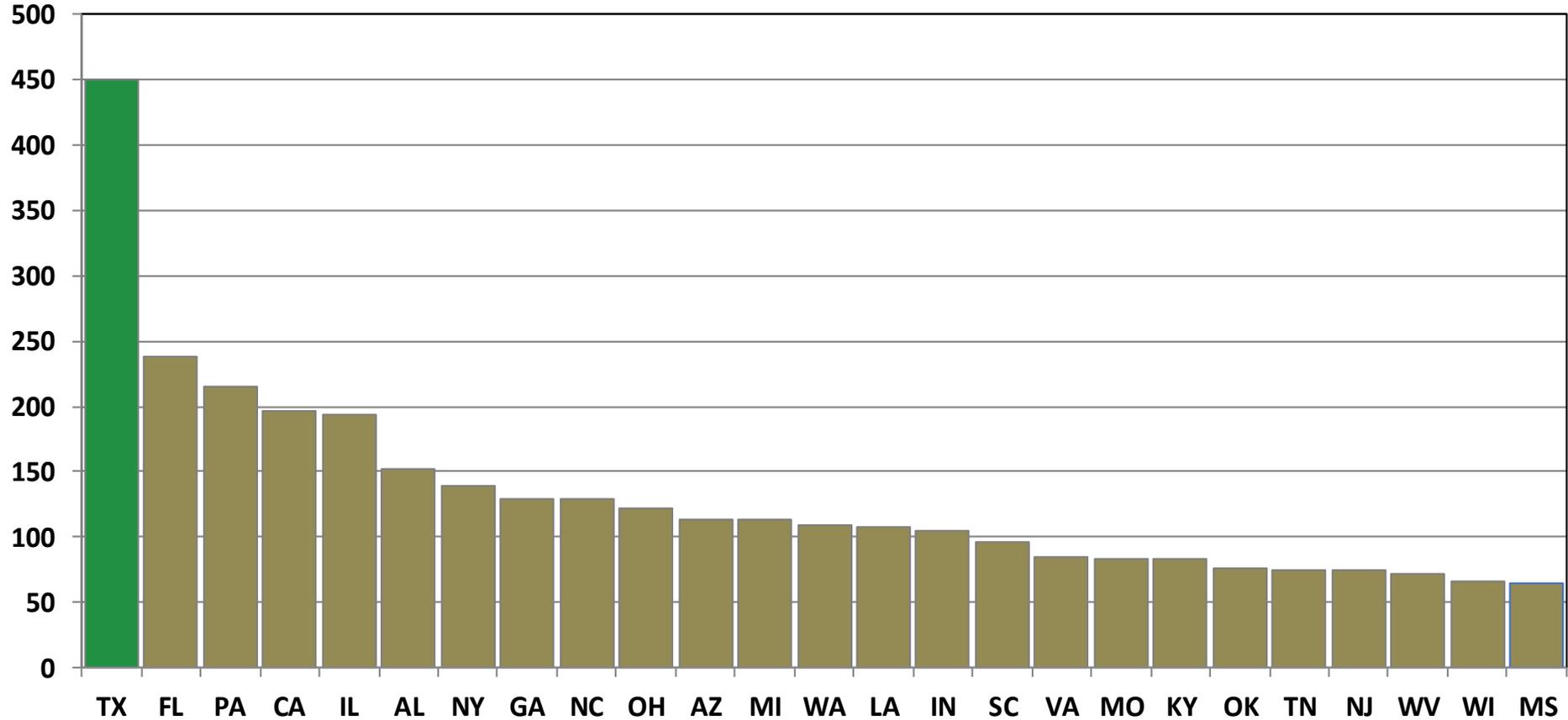


Electricity consumption
2014; Million MWh



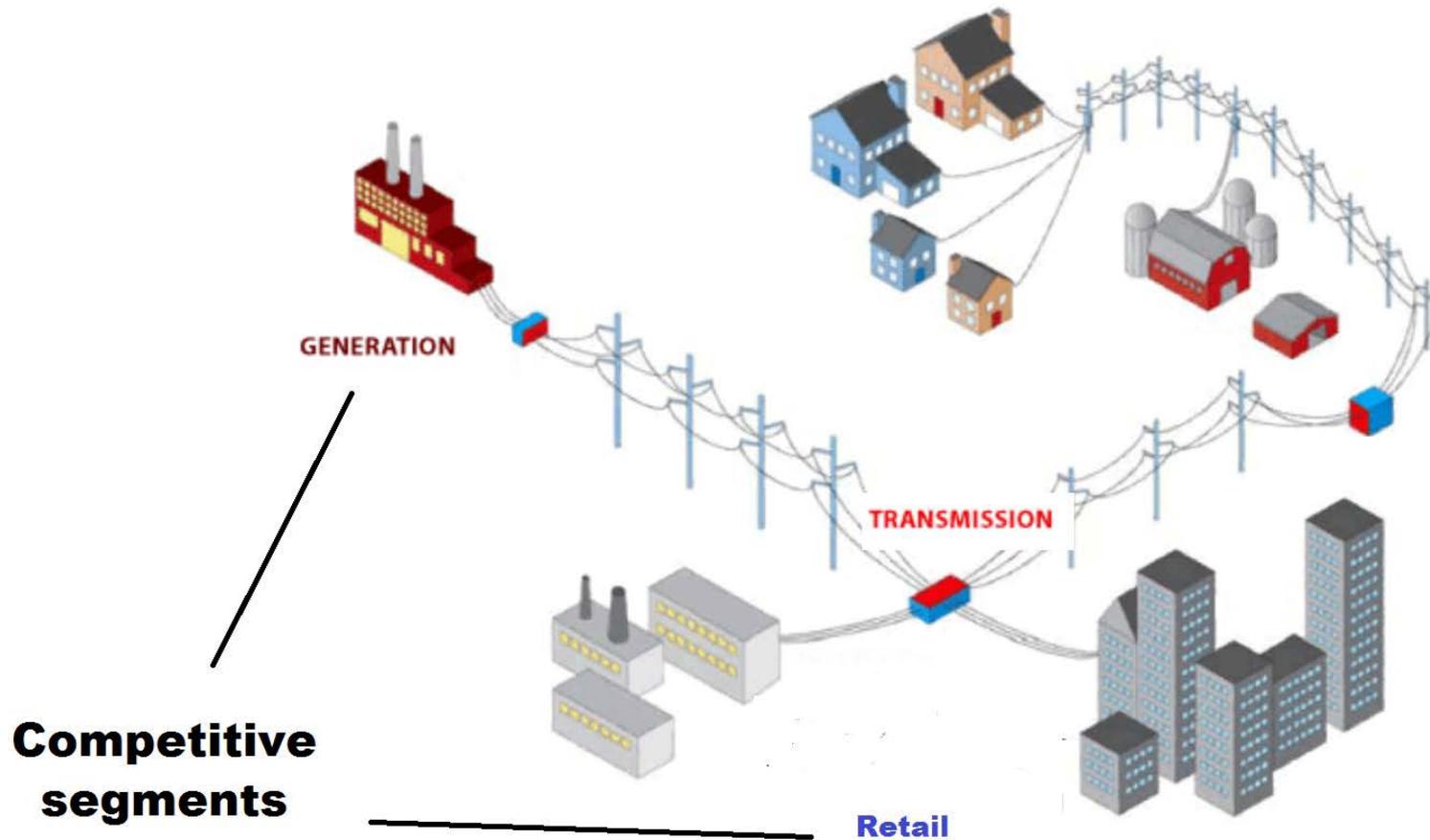
Texas is the largest electricity market in the US

State electricity consumption
2015; TWh



Texas has by far the largest electric usage of any state – roughly equivalent to California, Oklahoma, Arkansas, Colorado, New Mexico, Massachusetts and Alaska combined

Texas Competitive Market Design

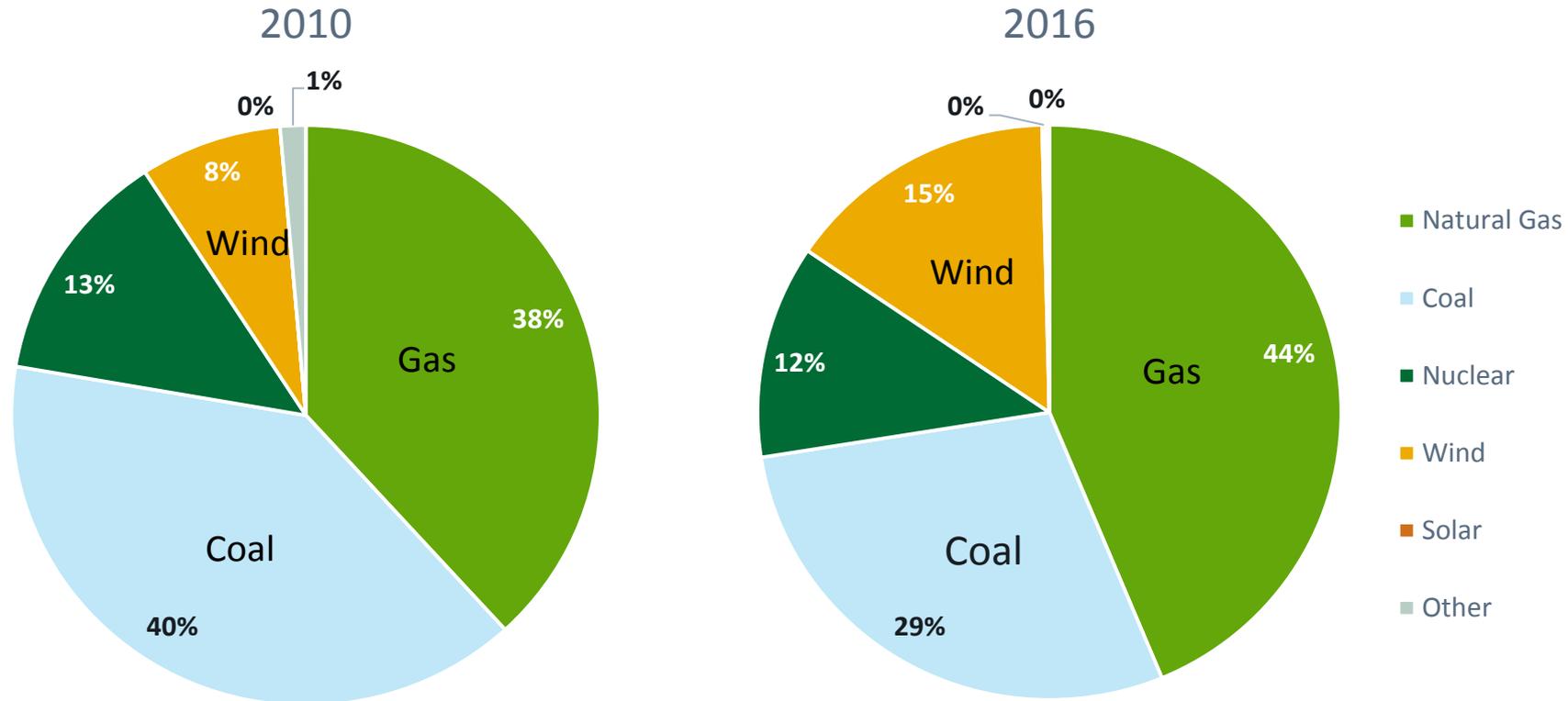


Source: U.S. Department of Energy. "Benefits of Using Mobile Transformers and Mobile Substations for Rapidly Restoring Electric Service: A Report to the United States Congress Pursuant to Section 1816 of the Energy Policy Act of 2005." 2006.

Generation and Retail are competitive and Transmission remains regulated

Texas' Generation Profile is Changing

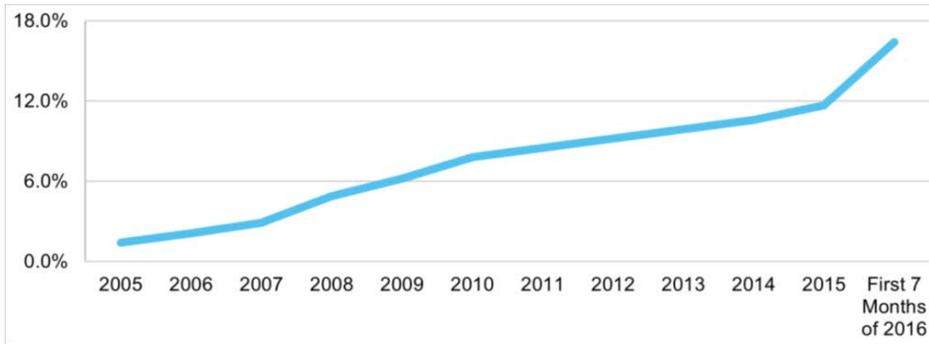
Energy by Fuel Type (MWh)



Since 2010 energy produced by wind generation has almost doubled, natural gas generation has increased 16% and coal generation has declined 25%

Texas is a renewables leader

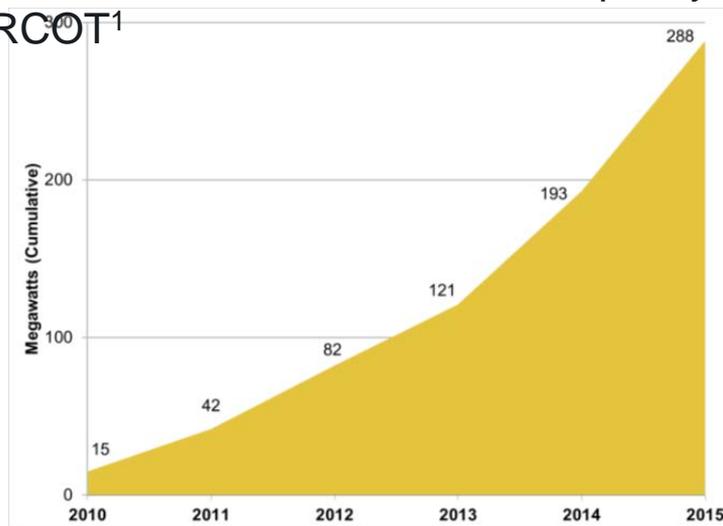
Annual Wind Generation as Percentage of Total Generation in ERCOT¹



Total wind capacity over 18,000 MW

More than 20% of U.S. wind is generated in Texas²

Cumulative Solar Photovoltaic Capacity in ERCOT¹



787 MW of utility scale solar is installed in Texas today

Over 2,700 MW of capacity expected by end of 2018³

Source: ¹Institute for Energy Economics and Financial Analysis "The Beginning of the End: Fundamental Changes in Energy Markets Are Undermining the Financial Viability of Coal-Fired Power Plants in Texas", ²U.S. Energy Information Administration and ³ERCOT Quick Facts, May 2017

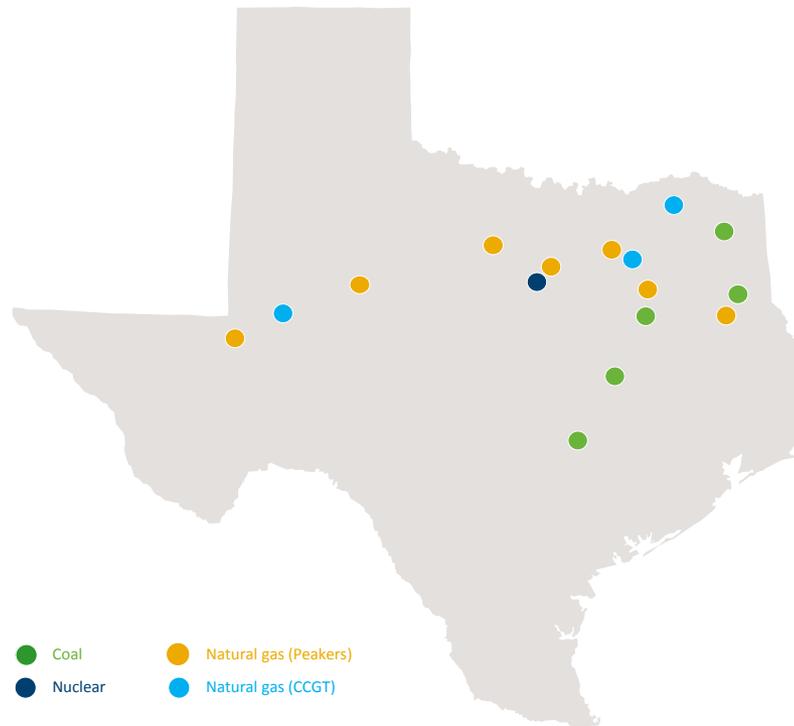
Vistra Overview



Vistra Energy is the **largest electric power generator and retail electric provider in Texas**, with approximately 18,000 MW of generation capacity and 1.7 million residential and business retail customers.



- Exceptional customer service
- Competitively priced electricity service plans
- Innovative energy efficiency options
- Renewable energy programs



Luminant

- Coal – 8,000 MW
- Natural Gas – 7,500 MW
- Nuclear – 2,300 MW
- Solar – 180 MW
- A large purchaser of wind-generated electricity

Vistra recently announced the retirement of 4,200 MW of Coal capacity

Vistra's Renewable Resources



Large purchaser
of Texas wind-generated
electricity.

~400 MW*
Current
Capacity

One of the largest single
utility-scale solar projects
in Texas.

180 MW
Total Capacity

718 K
Solar
Panels



Vistra's resource modernization reflects the national trend toward renewables

AFFORDABILITY

As renewables become more affordable, pricing is less likely to fluctuate than oil and gas.

Commercial prices have fallen by:

58%
since
2012



16%
in the
last year*

CLIMATE LEADERSHIP

Businesses are strengthening their commitment to sustainable best practices and environmental leadership.

of the
Fortune
100:

71 have set renewable targets or sustainability goals

22 have committed to going 100% renewable**

GROWTH

For the third year in a row, the majority of new energy generation has been from renewable resources.*



Corporates are increasingly adopting Renewables

Long-term price certainty
with savings and renewable energy benefits.

Meet expectations of shareholders
and gain marketability of sustainability with customers.



Long-term financial hedge
on energy prices for all or a portion of electricity consumption.

Positively impact the environment
with sustainable choices that reduce carbon footprint.

Renewables can deliver sustainability and/or long-term price certainty

Leading with Renewables



Q & A ?