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# ERCOT Overview

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President and CEO  
ERCOT

***Environmental Regulation Committee***  
***Texas House of Representatives***  
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# ERCOT Overview

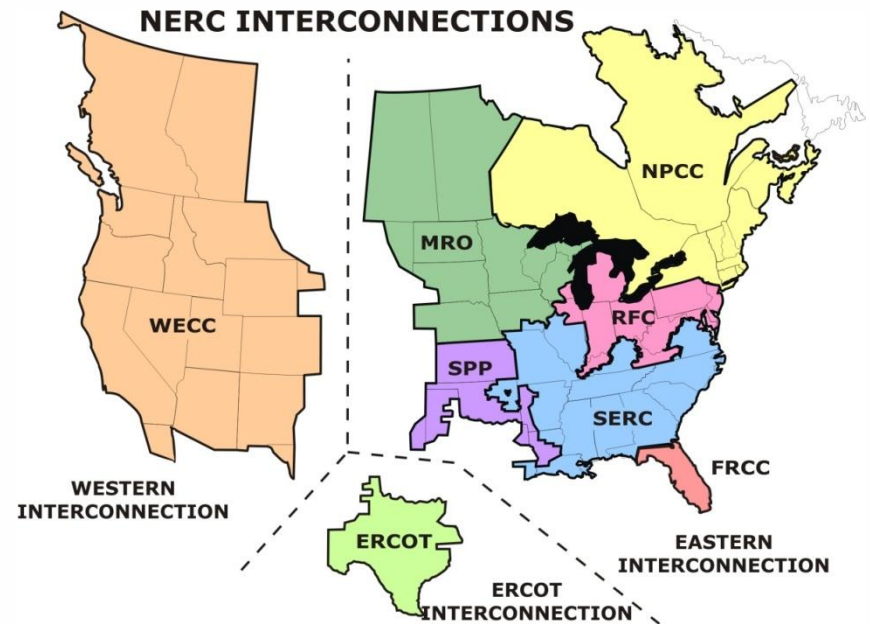
## RESPONSIBILITIES

The Texas Legislature restructured the Texas electric market in 1999 by unbundling the investor-owned utilities and creating retail customer choice in those areas, and assigned ERCOT four primary responsibilities:

- **System Reliability** - Ensure reliability and adequacy of regional electric network
- **Open Access to Transmission** - Ensure nondiscriminatory access to transmission/distribution systems for all buyers and sellers
- **Competitive Retail Market** - Facilitate retail registration and switching
- **Competitive Wholesale Market** - Ensure accurate accounting for electricity production and delivery among the generators and wholesale buyers and sellers in the region

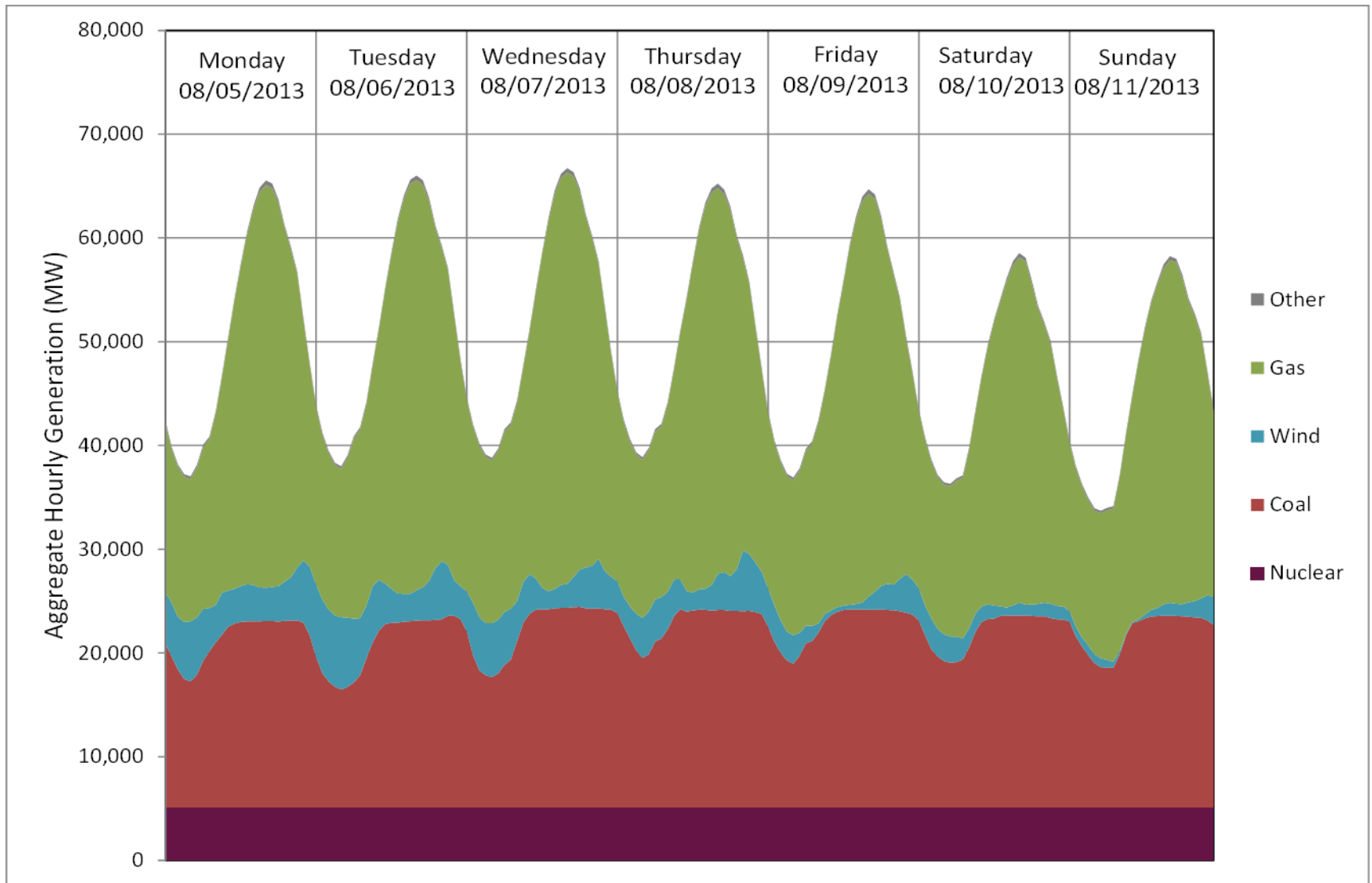
## QUICK FACTS

- 75% of Texas land
- 90% of Texas load
- More than 43,000 miles of transmission lines
- 550+ generation units
- 68,305 MW peak demand (set August 3, 2011)

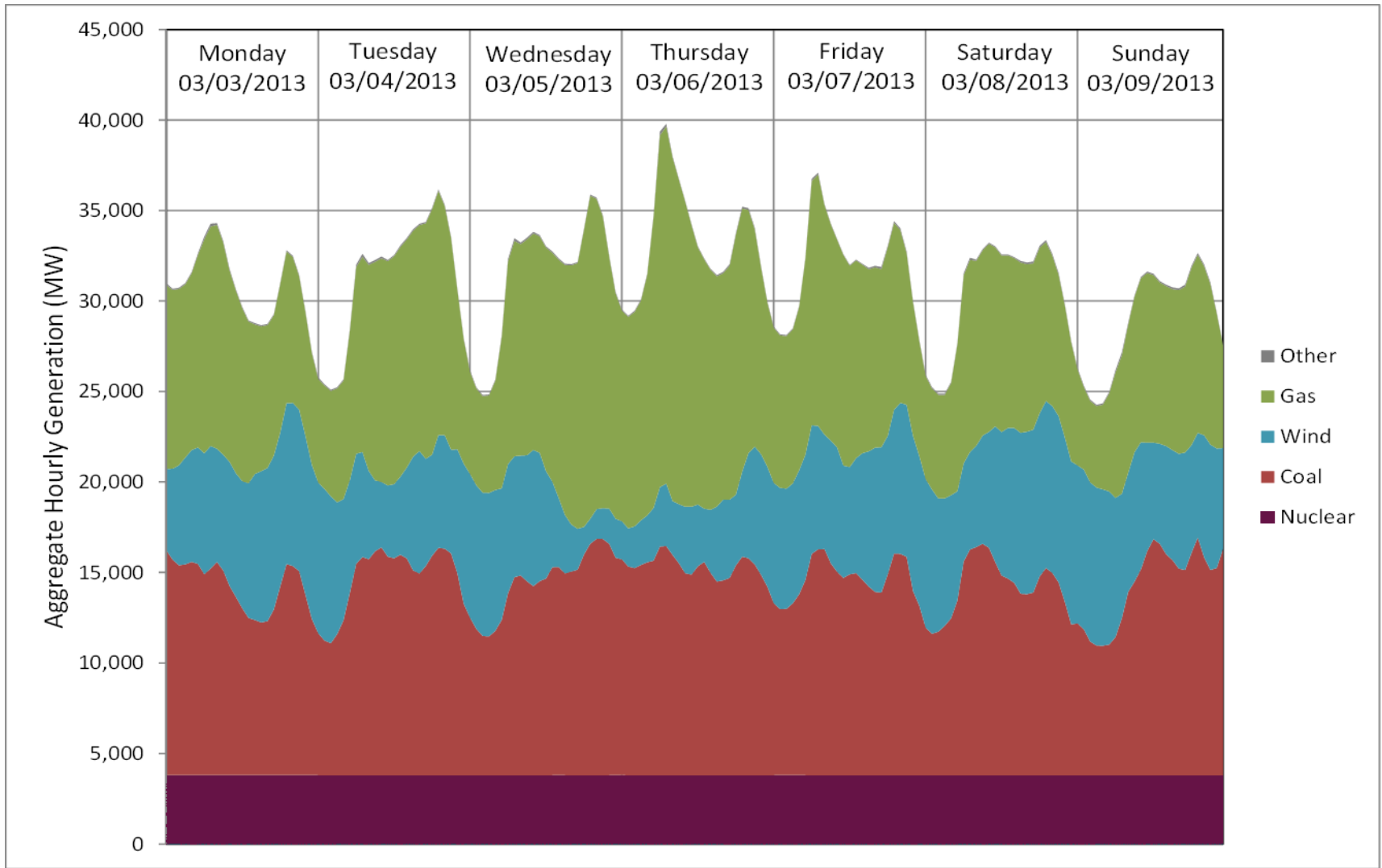


*ERCOT connections to other grids are limited to direct current (DC) ties, which allow control over flow of electricity*

# Typical August Generation Output



# Typical March Generation Output



# Generation Development in ERCOT

ERCOT interconnection queue as of September 2, 2014:

Fuel Type	Initial Screening Study Projects (MW)	Full Interconnection Study Projects (MW)	Interconnection Agreement Executed (MW)	Total (MW)
Natural Gas	9,517	16,252	6,792	32,561
Coal	0	0	270	270
Wind (ELCC 8.7%)	2,875	13,650	8,852	25,377
Solar	588	3,208	265	4,061
Storage	0	594	0	594
<b>Total</b>	<b>12,980</b>	<b>33,704</b>	<b>16,179</b>	<b>62,863</b>

ERCOT has observed that approximately 15% of the interconnection queue project capacity will be built.