

# *Regulated Utility Operations*

*Managing Today's Challenges in Gas  
Compression – Gas and Electric Options*

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# Objectives

- Entergy background
- Infrastructure
- Competitive Advantages
- Project Mapping System

# Operations Information

from [entergy.com](http://entergy.com)



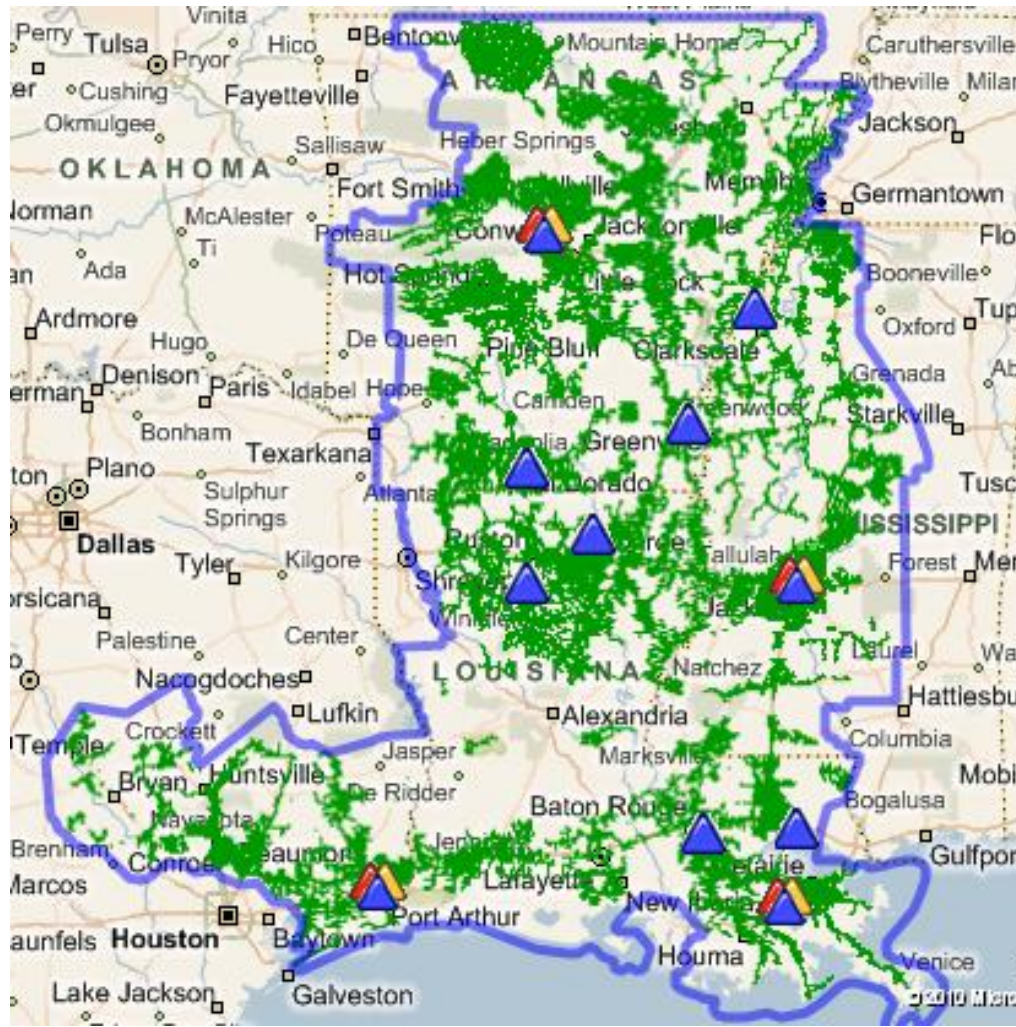
Entergy operates more than 40 plants using natural gas, nuclear, coal, oil and hydroelectric power with approximately 30,000 megawatts of electric generating capacity. Entergy provides electricity to 2.7 million [utility](#) customers in Arkansas, Louisiana, Mississippi and Texas.

The company's [transmission](#) system moves about 23,000 megawatts of power across more than

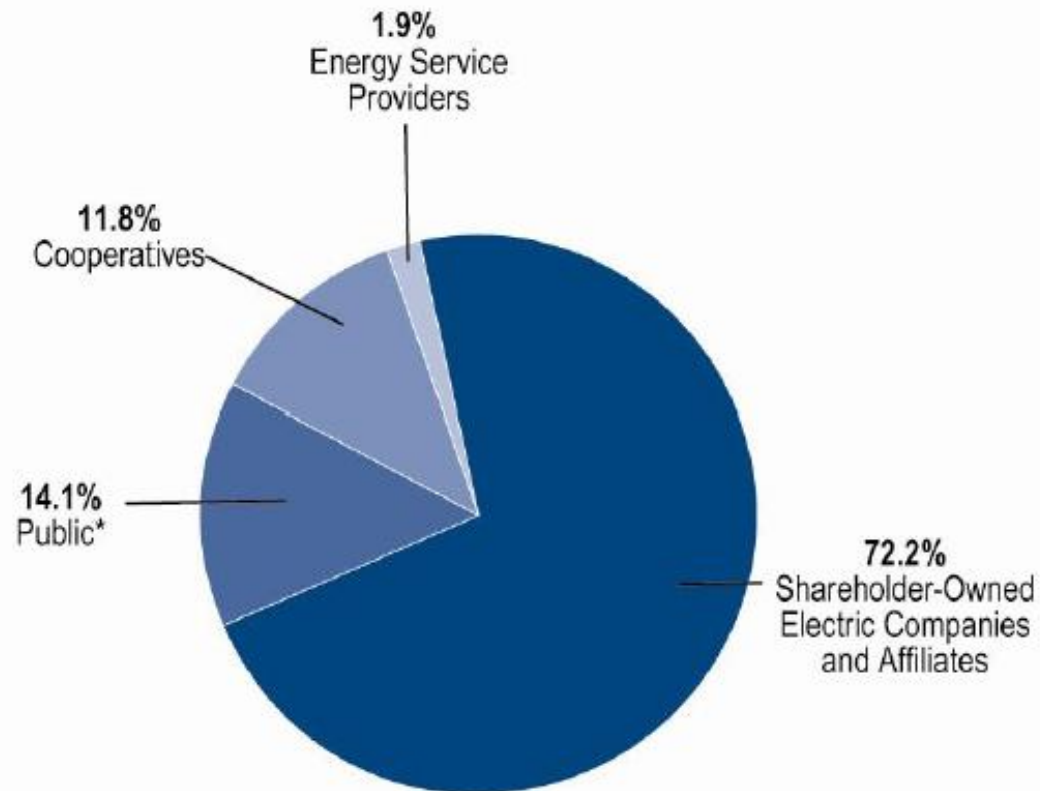
15,500 miles of interconnected lines in a 112,000 square-mile area.

Entergy owns [11 nuclear reactors](#) and manages another reactor in Nebraska.

# Entergy Service Area



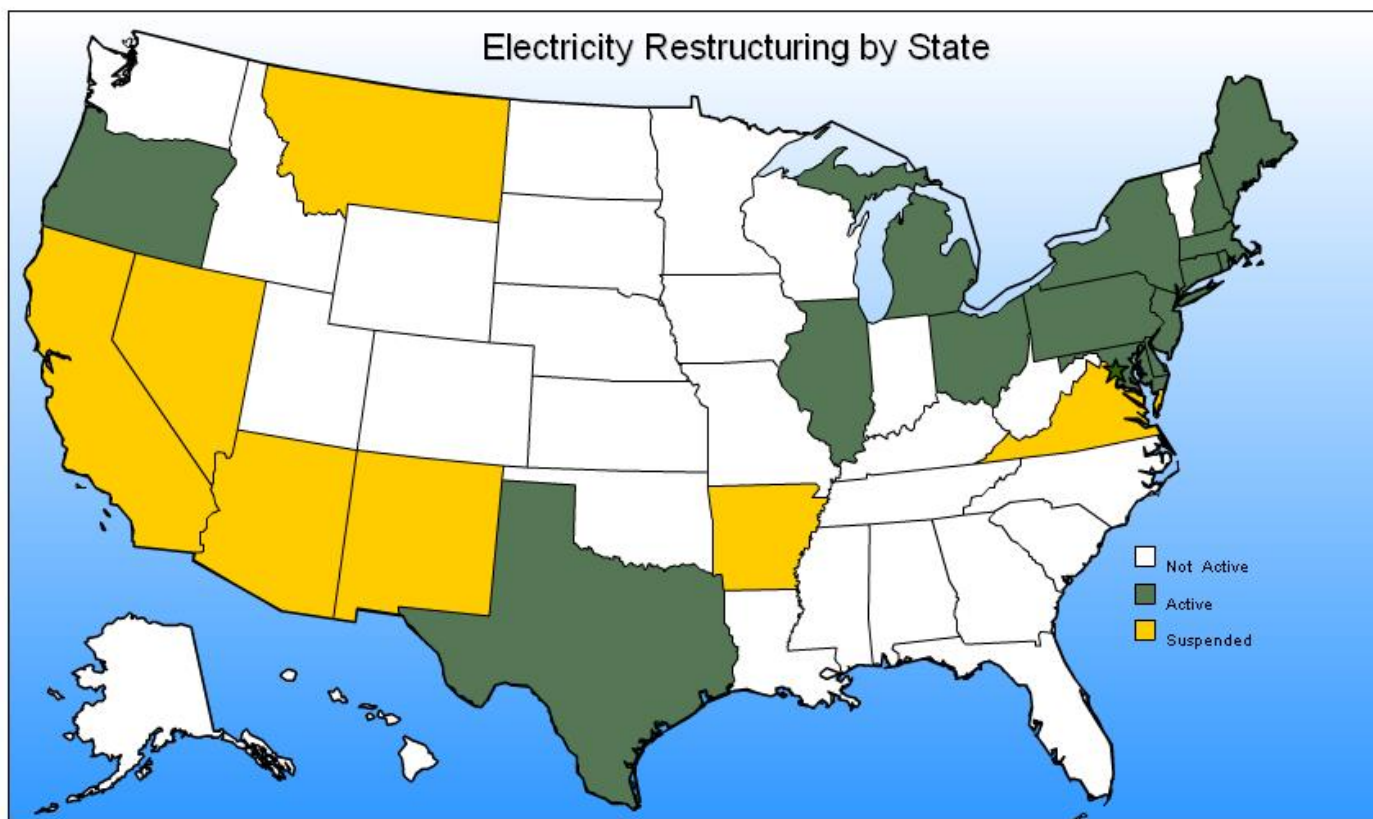
# National Utility Footprint



\* Includes state projects, political subdivisions, and municipal systems.  
Note: Federal Utilities serve <0.1% of customers.

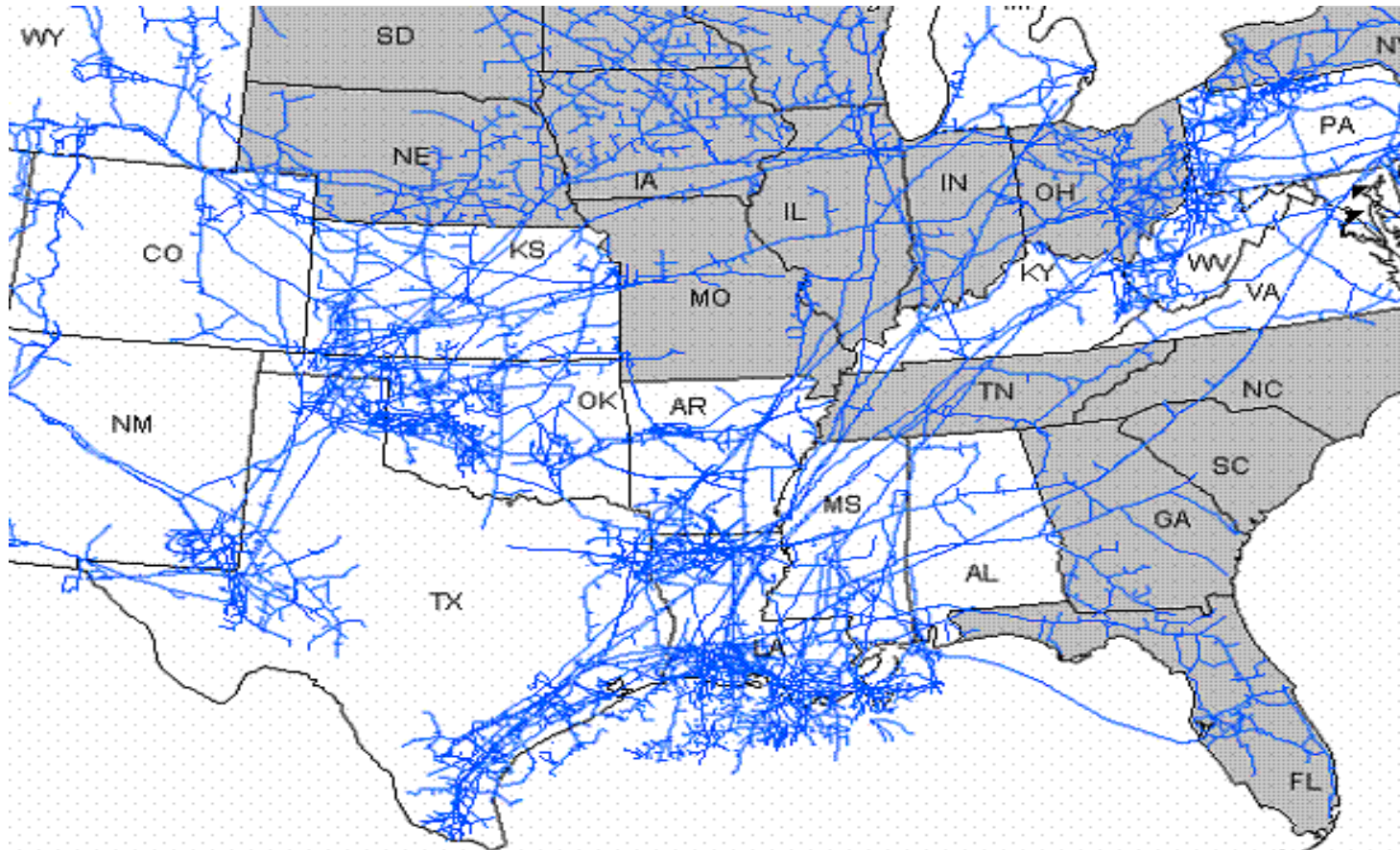
Source: U.S. Department of Energy, Energy Information Administration (EIA), *Monthly Electric Utility Sales and Revenues Report with State Distributions (EIA-826)*.

# Regulated vs. Deregulated Utilities – May 2010



Source: Energy Information Administration

# Interstate Natural Gas Dependency



Source: Energy Information Administration, Form EIA176 "Annual Report of Natural Gas and Supplemental Gas Supply and Disposition."

# We're Where You Are!

Top 30  
Interstate  
Pipelines from  
EIA 2009 data

13 pipeline  
systems are  
located in  
Entergy's service  
area

	Pipeline Name	System Capacity (MMcfd) 2	System Mileage
1	Columbia Gas Transmission Co.	9350	10365
2	Transcontinental Gas Pipeline Co.	8466	10450
3	Northern Natural Gas Co.	7442	15874
4	Texas Eastern Transmission Corp.	7332	9212
5	ANR Pipeline Co.	7129	10600
6	Tennessee Gas Pipeline Co.	6686	14463
7	Dominion Transmission Co.	6655	3505
8	Gulf South Pipeline Co.	6260	6886
9	El Paso Natural Gas Co.	6182	10302
10	Centerpoint Gas Transmission Co.	5385	6374
11	Northwest Pipeline Corp.	4950	3880
12	Natural Gas Pipeline Co. of America	4848	9306
13	Colorado Interstate Gas Co.	4099	4143
14	Texas Gas Transmission Corp.	4065	5671
15	Southern Natural Gas Co.	3967	7635
16	Algonquin Gas Transmission Co.	3347	1128
17	Questar Pipeline Co.	3192	1858
18	Trunkline Gas Co.	3025	4202
19	Great Lakes Gas Transmission Co.	2958	2115
20	Panhandle Eastern Pipeline Co.	2840	6445
21	Southern Star Central Pipeline Co.	2801	5803
22	Wyoming Interstate Gas Co.	2736	848
23	Gas Transmission Northwest Corp.	2636	1356
24	Northern Border Pipeline Co.	2626	1400
25	Transwestern Gas Co.	2439	2387
26	Columbia Gulf Transmission Co.	2386	4124
27	National Fuel Gas Supply Co.	2312	1481
28	Florida Gas Transmission Co.	2217	4889
29	Alliance Pipeline Co. (US)	2053	888
30	Kern River Gas Transmission Co.	1833	1680
	Sub-total	132217	169270
	Other Interstate Systems	50673	48036
	Total	182890	217306
13			



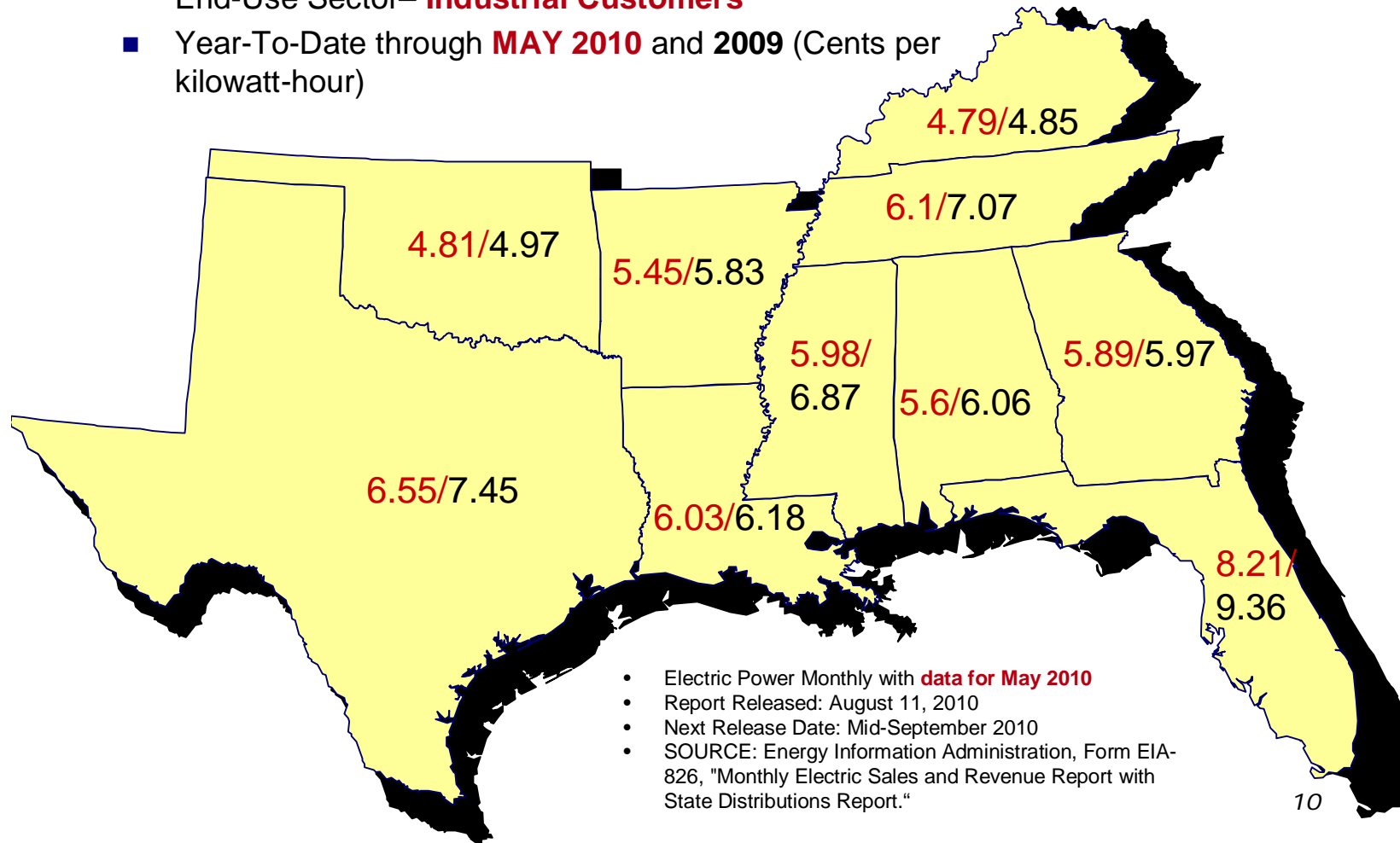


# Reliability of Transmission System

- System is part of SERC – Southeastern Electric Reliability Council
- Complies with all FERC/NERC regulations
- Hurricane restoration process
- Entergy is the only Utility to win EEI's Emergency Awards in every year since the awards were established in 1998.
  - 5 Response Awards
  - 9 Assistance Awards
  - Both awards in 2006 and 2009

# Competitively Priced!

- Average Retail Price of Electricity to Ultimate Customers by End-Use Sector– **Industrial Customers**
- Year-To-Date through **MAY 2010** and **2009** (Cents per kilowatt-hour)





# Electric Drive Considerations

- Changing environmental regulations and fuel prices may lead to new ways to view business
- Maintenance, Control and Flexibility
- Where sites are mutually feasible, compressor or storage station in proximity of available transmission/distribution facilities – electric drives may be a consideration



# Entergy Project Mapping System

- Plotted Transmission Lines, Substations and Distribution Lines (includes underground) onto Google Earth
- Plotted all Compressors Sites located in Entergy's Service Territory onto Google Earth
- Once displayed on the map, proximity to infrastructure for any New or Retrofit Project is easily determined



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# QUESTIONS?



***We appreciate your business!***