

Electric and Gas Infrastructure

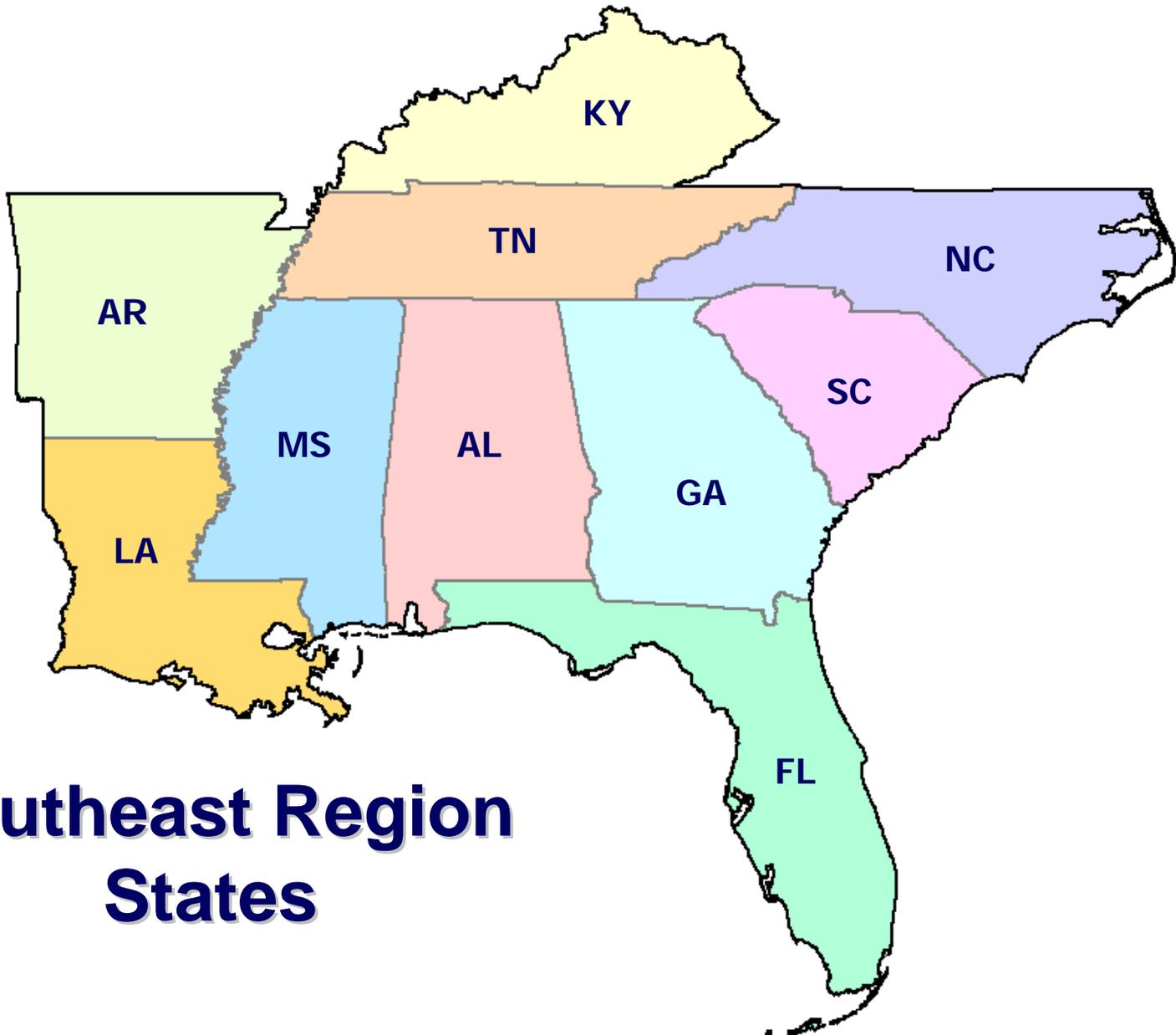
Natural Gas and Electricity Coordination Technical Conference

Southeast Region



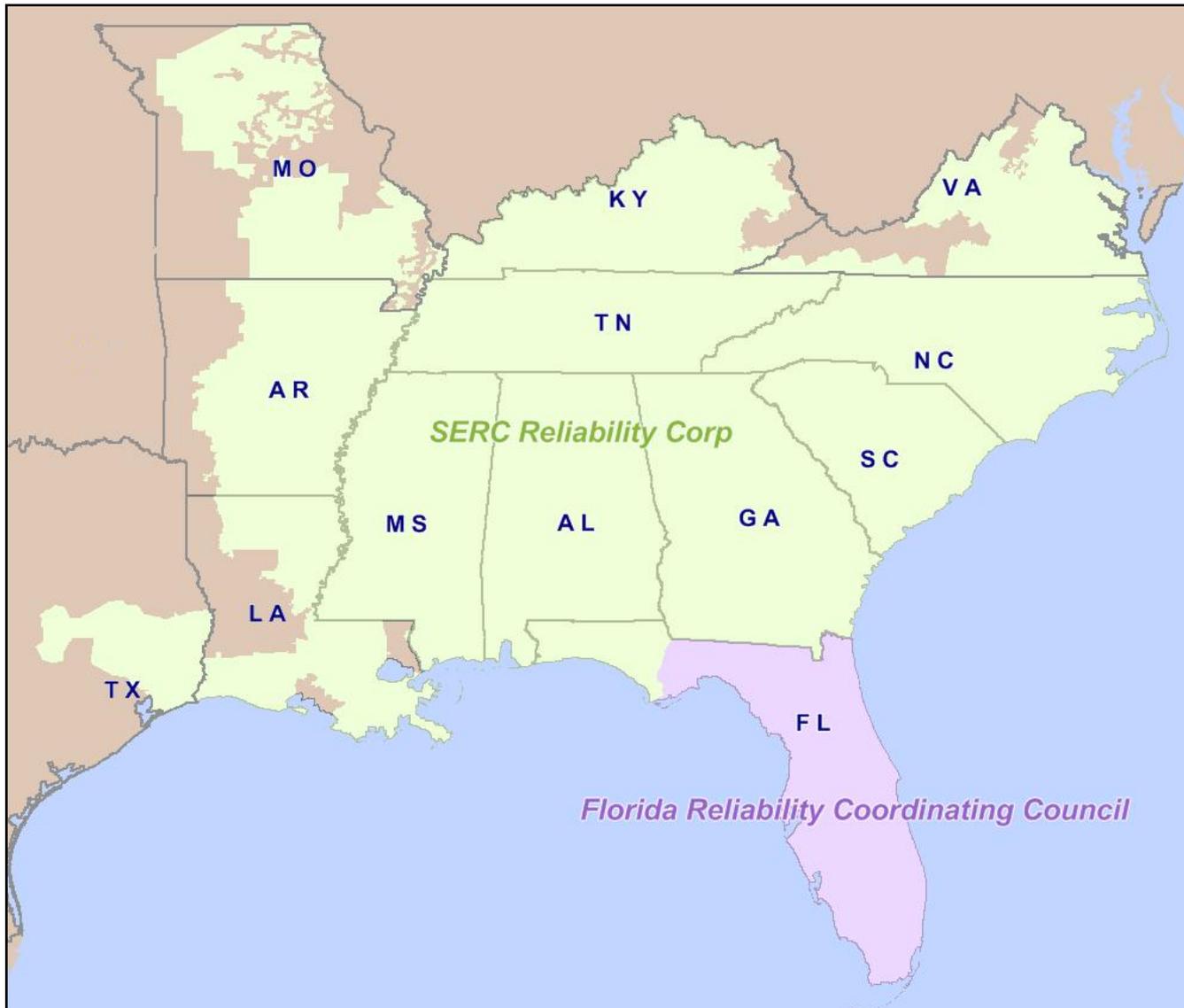
August 23, 2012

Washington, DC (FERC HQ)

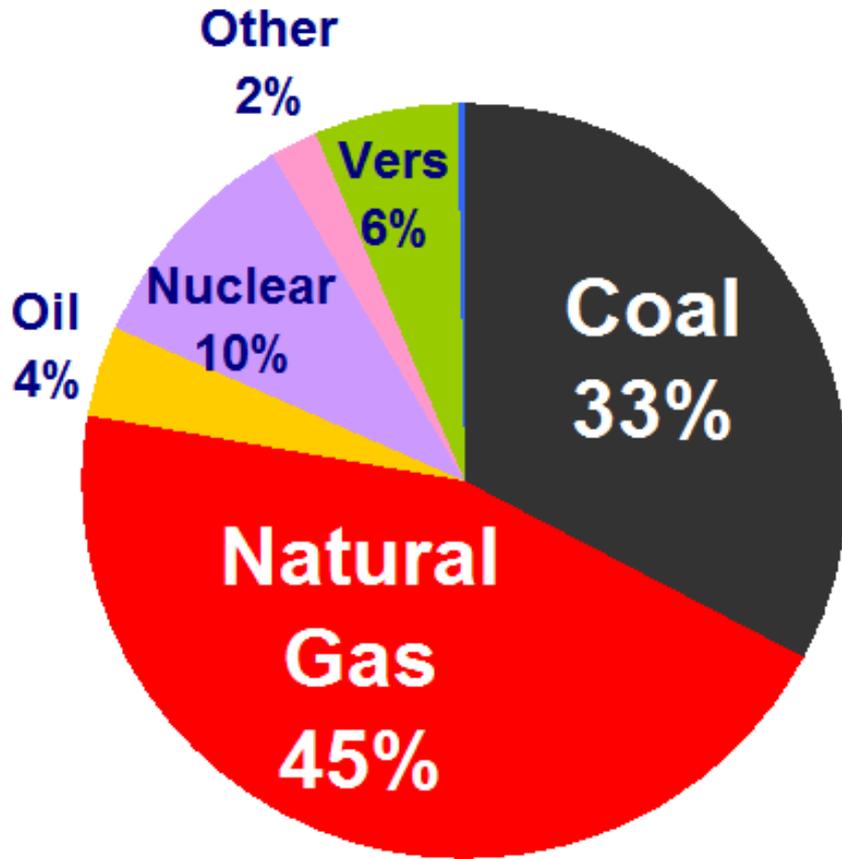


Southeast Region States

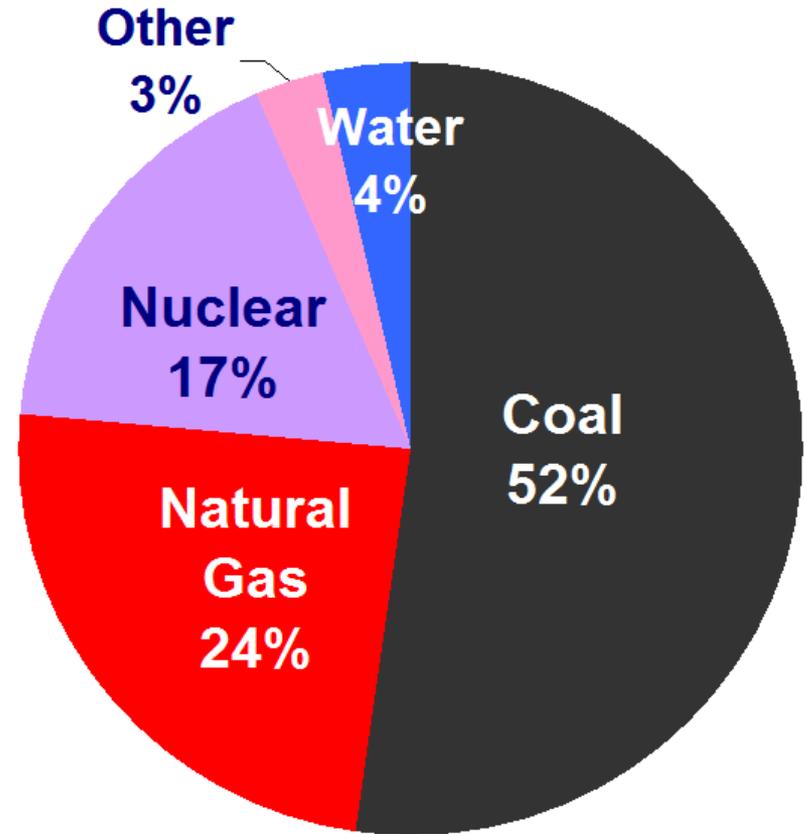
ELECTRIC INFRASTRUCTURE



Installed Capacity and Generation



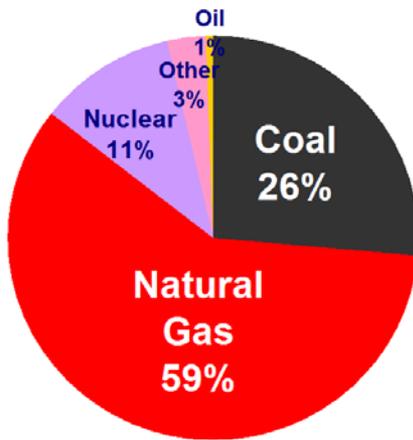
Current Installed Capacity
288,567 MW



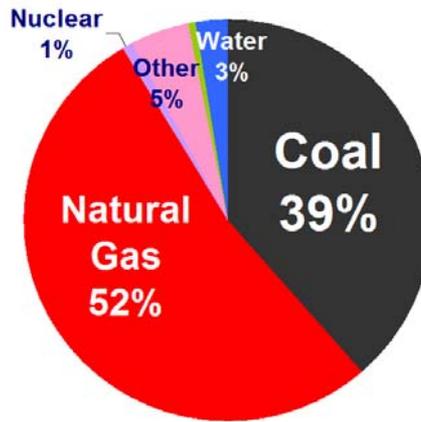
2010 Generation
1,065,228 GWh

Source: Based on data derived from Ventyx, Velocity Suite, July 2012.

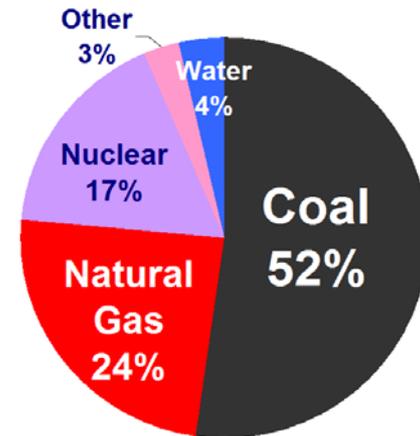
Electricity Generation by Sub Regions



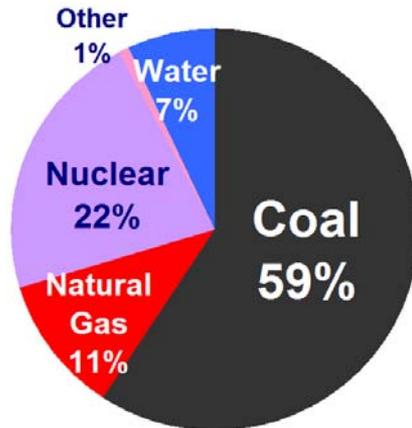
FRCC 220,561 GWh



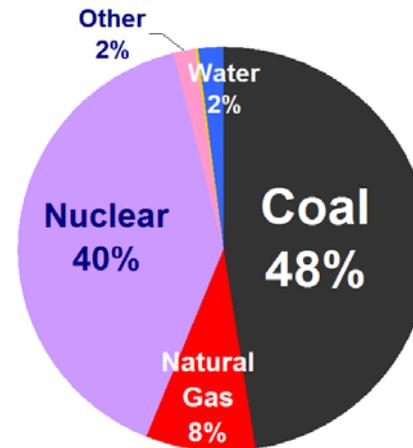
SERC-Delta 103,153 GWh



SERC-Southeastern 272,177 GWh



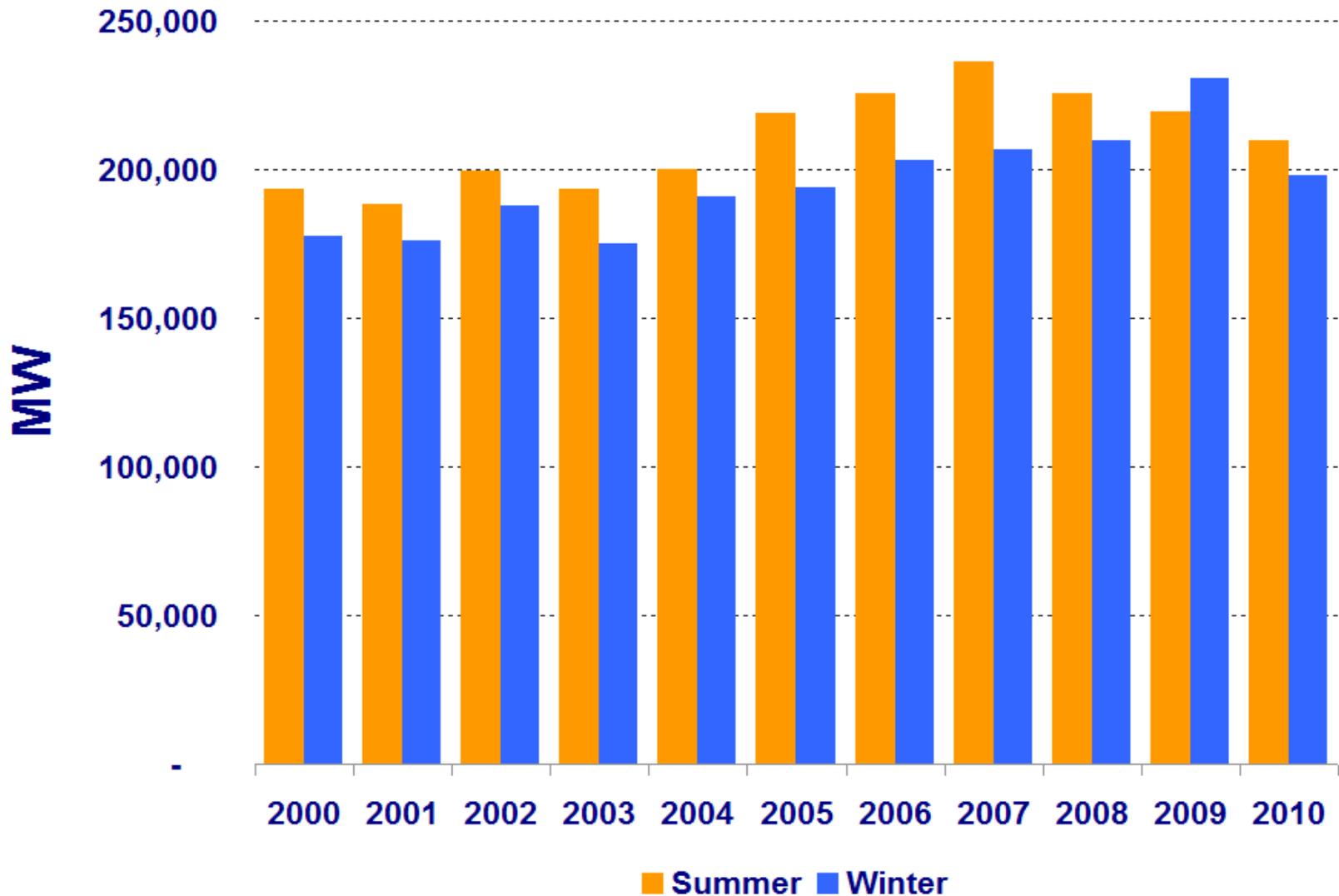
SERC-Central 239,576 GWh



SERC-Carolinas 229,760 GWh

Source: Based on data derived from Ventyx, Velocity Suite, June 2012.

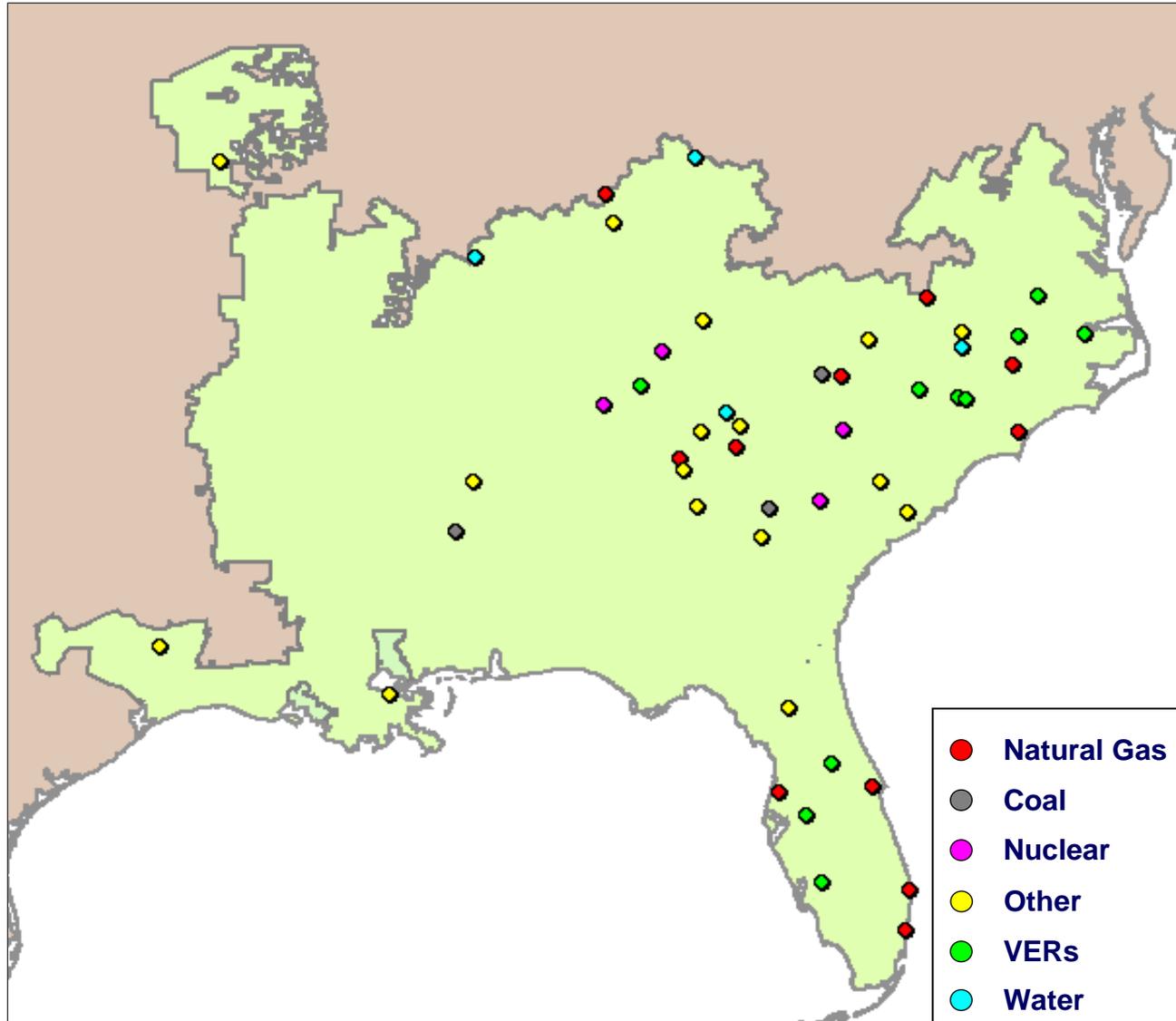
Southeast Region Peak Demand



Source: The North American Electric Reliability Corporation's (NERC's) 2011 Electric Supply and Demand Database.

Projected Capacity Additions to 2020

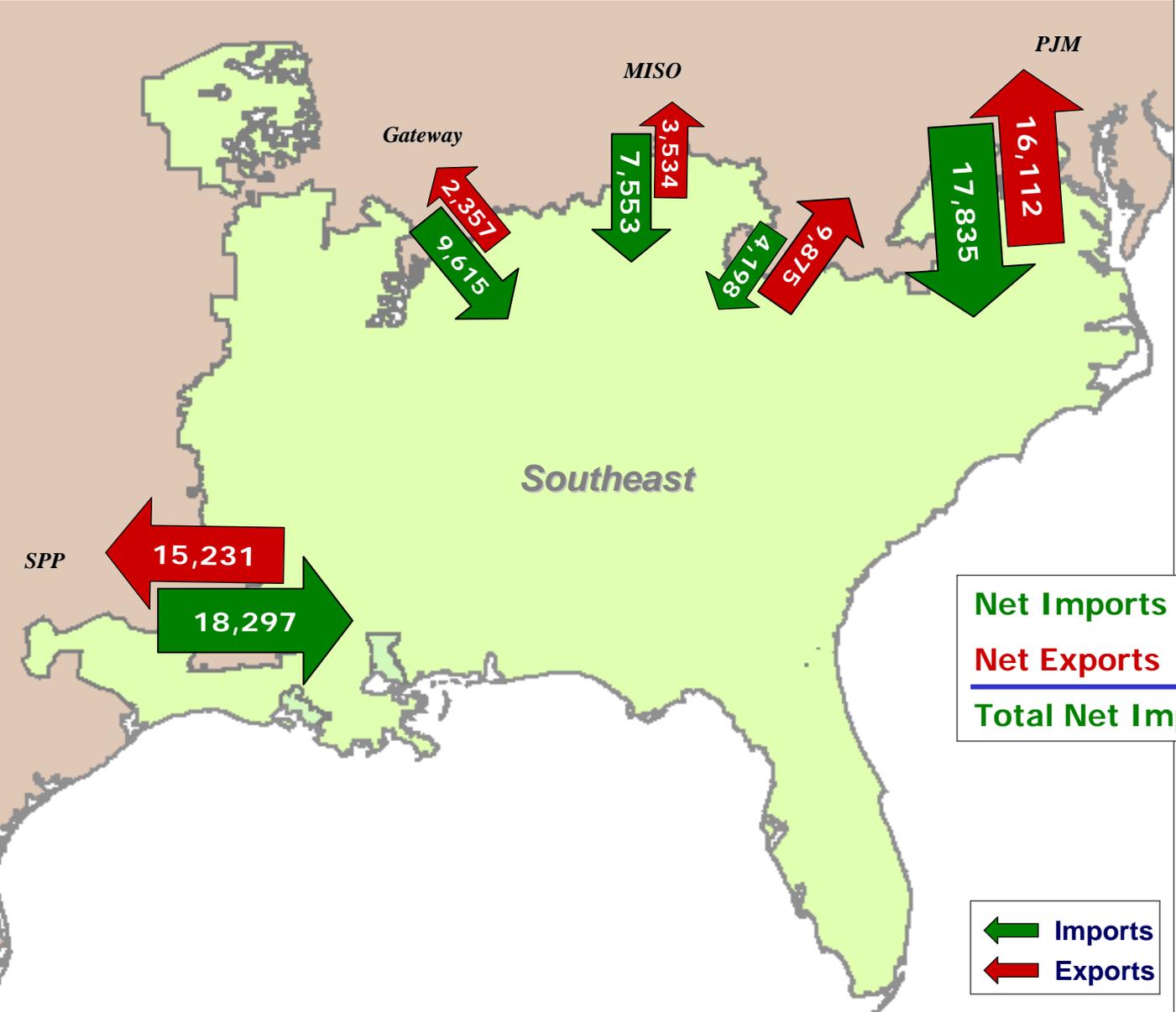
Power plants under construction and in advanced development



- Projected capacity additions in advanced development and under construction total 19,374 MW.
- Another 21,552 MW are in early development stage.

Source: Based on data derived from Ventyx, Velocity Suite, July 2012.

Net inter-regional deliverability 2010 (in GWh)

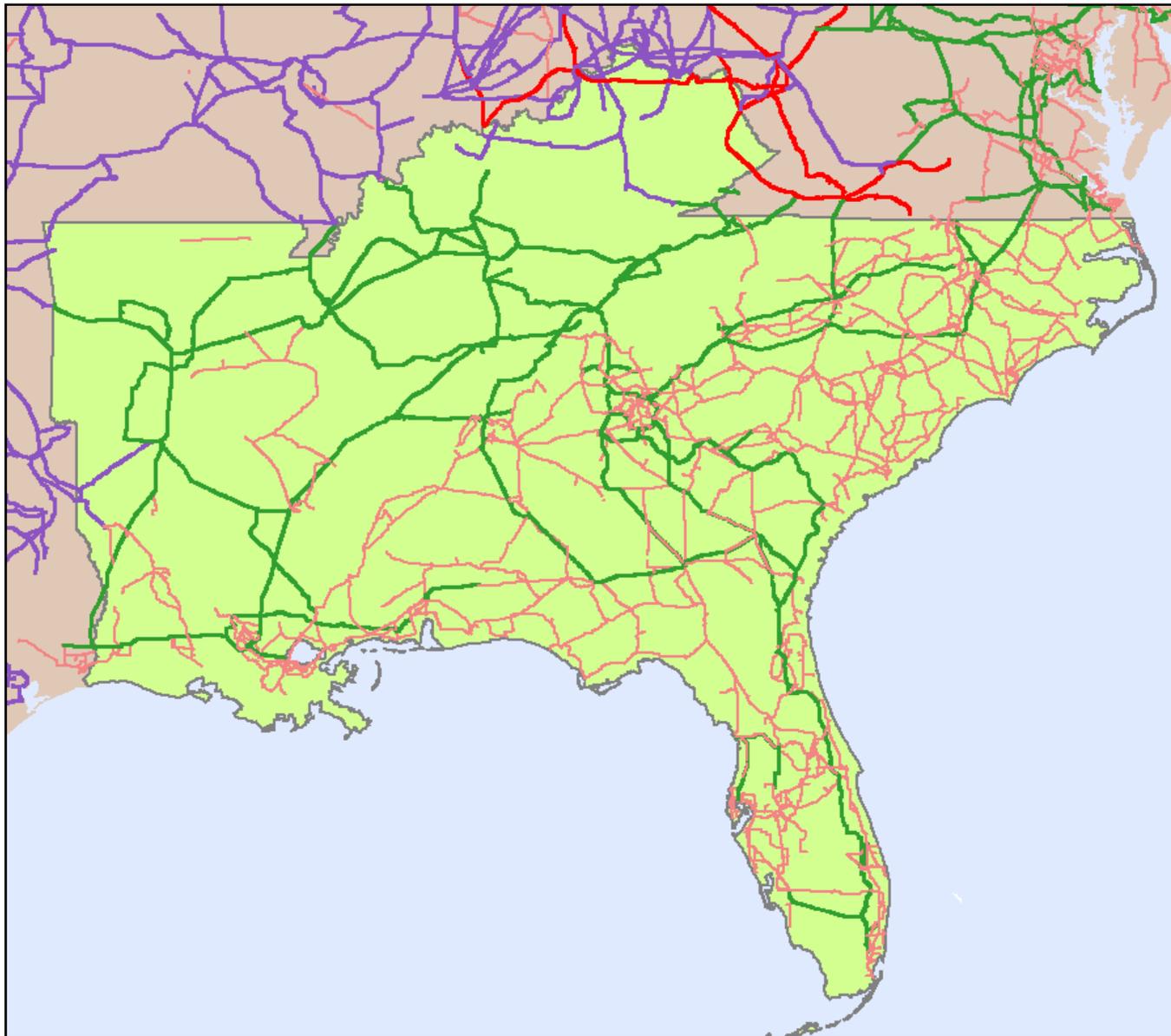


Net Imports	57,498 GWh
Net Exports	47,109 GWh
Total Net Imports	10,389 GWh

 Imports
 Exports

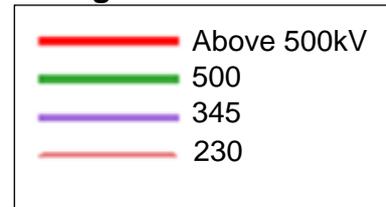
Source: Based on data derived from Ventyx, Velocity Suite, July 2012.

Existing Transmission



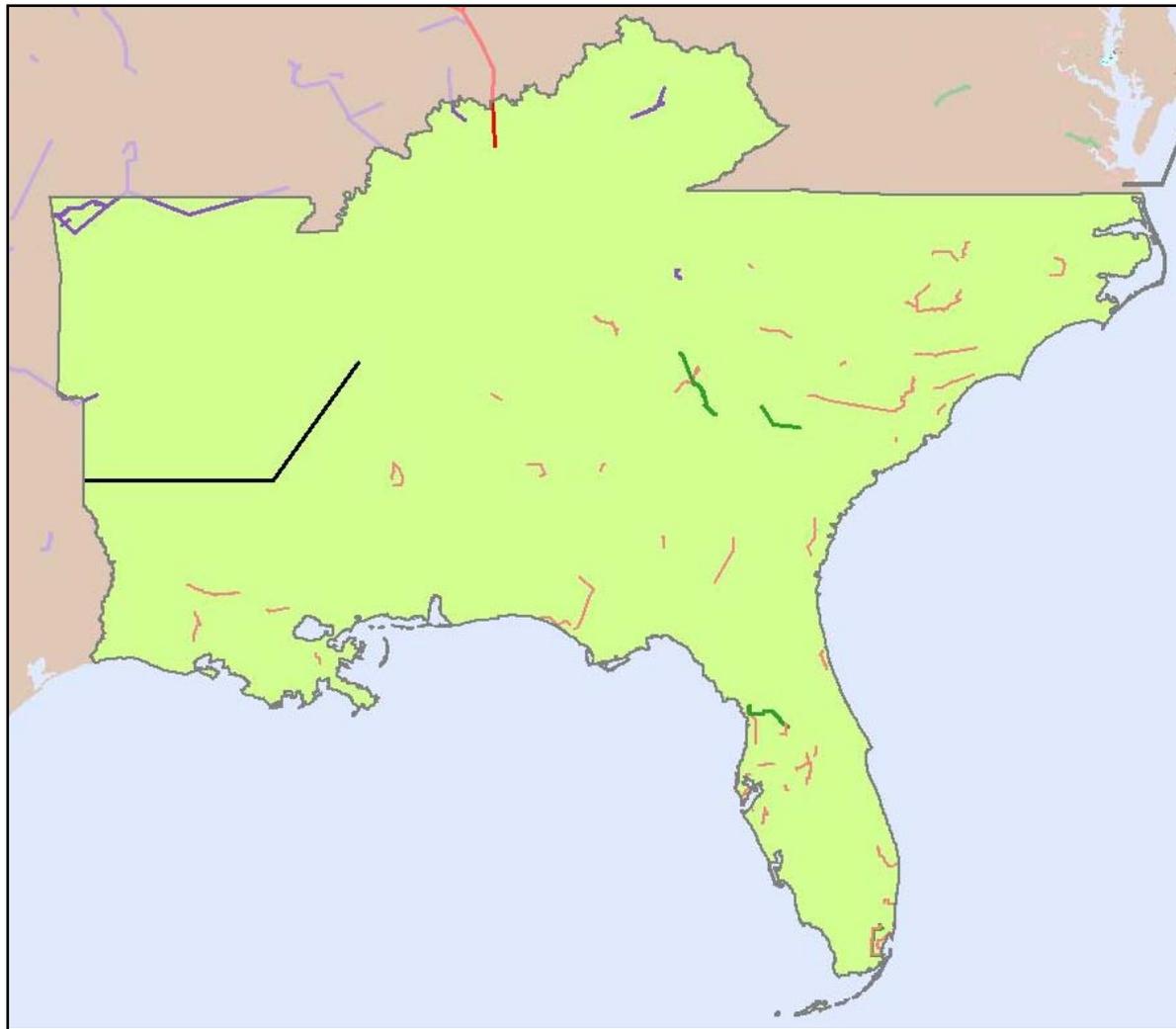
Voltage (kV)	Line Length (Miles)
230	24,786
345	1,580
500	8,873
Total	35,240

Voltage kV



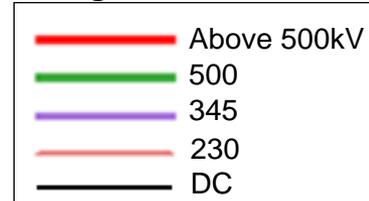
Source: Based on 2011 NERC Electric Supply and Demand Database, data derived from Ventyx, Velocity Suite, June 2012 and Staff Database.

Projected Transmission Projects through 2030



Voltage (kV)	Line Length (Miles)	Investment Cost (Millions \$)
230	1,880	1,324
345	34	47
500	670	1,153
Above 500	80	0
DC	335	0
Total	2,999	2,524

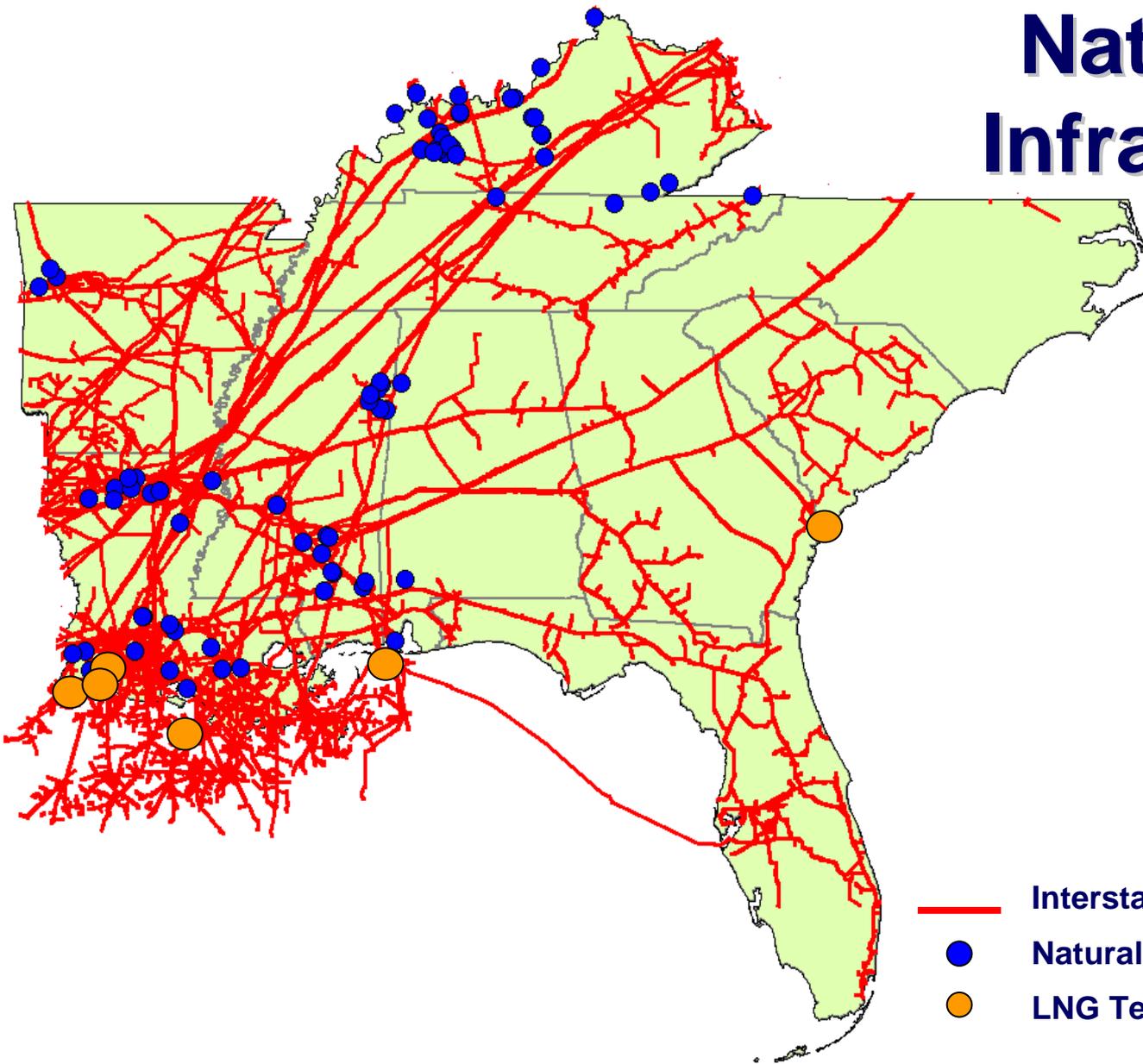
Voltage kV



Source: Based on 2011 NERC Electric Supply and Demand Database, The C Three Group Database and data derived from Ventyx, Velocity Suite, June 2012.

GAS INFRASTRUCTURE

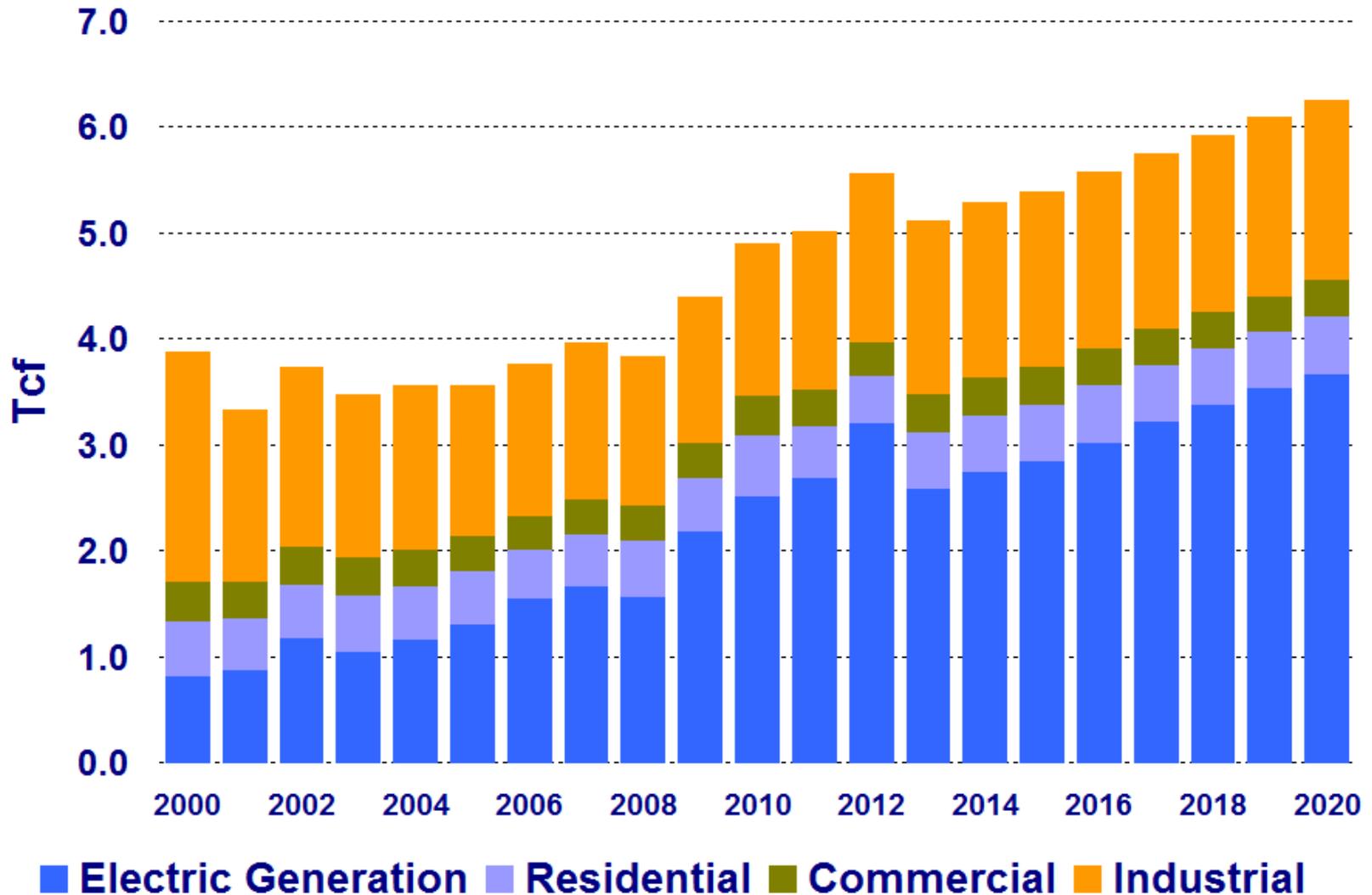
Natural Gas Infrastructure



- Interstate Natural Gas Pipelines
- Natural Gas Storage Facilities
- LNG Terminals

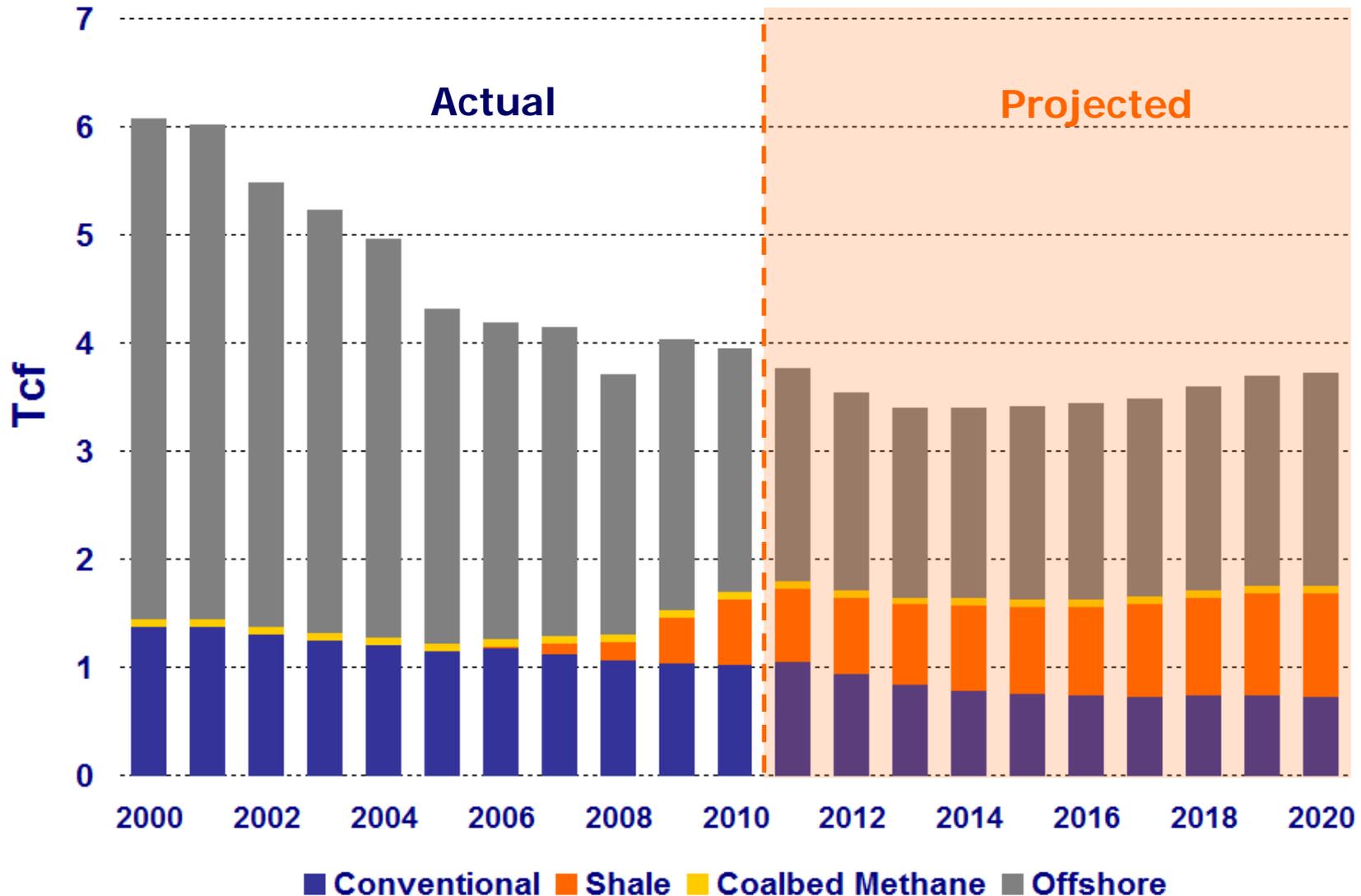
Source: Based on data from Ventyx, Velocity Suite June 2012; ICF International April 2012 Data Base; EIA Storage Spreadsheet; and Fossil Energy 4th Quarter Report 2011

Natural Gas Consumption



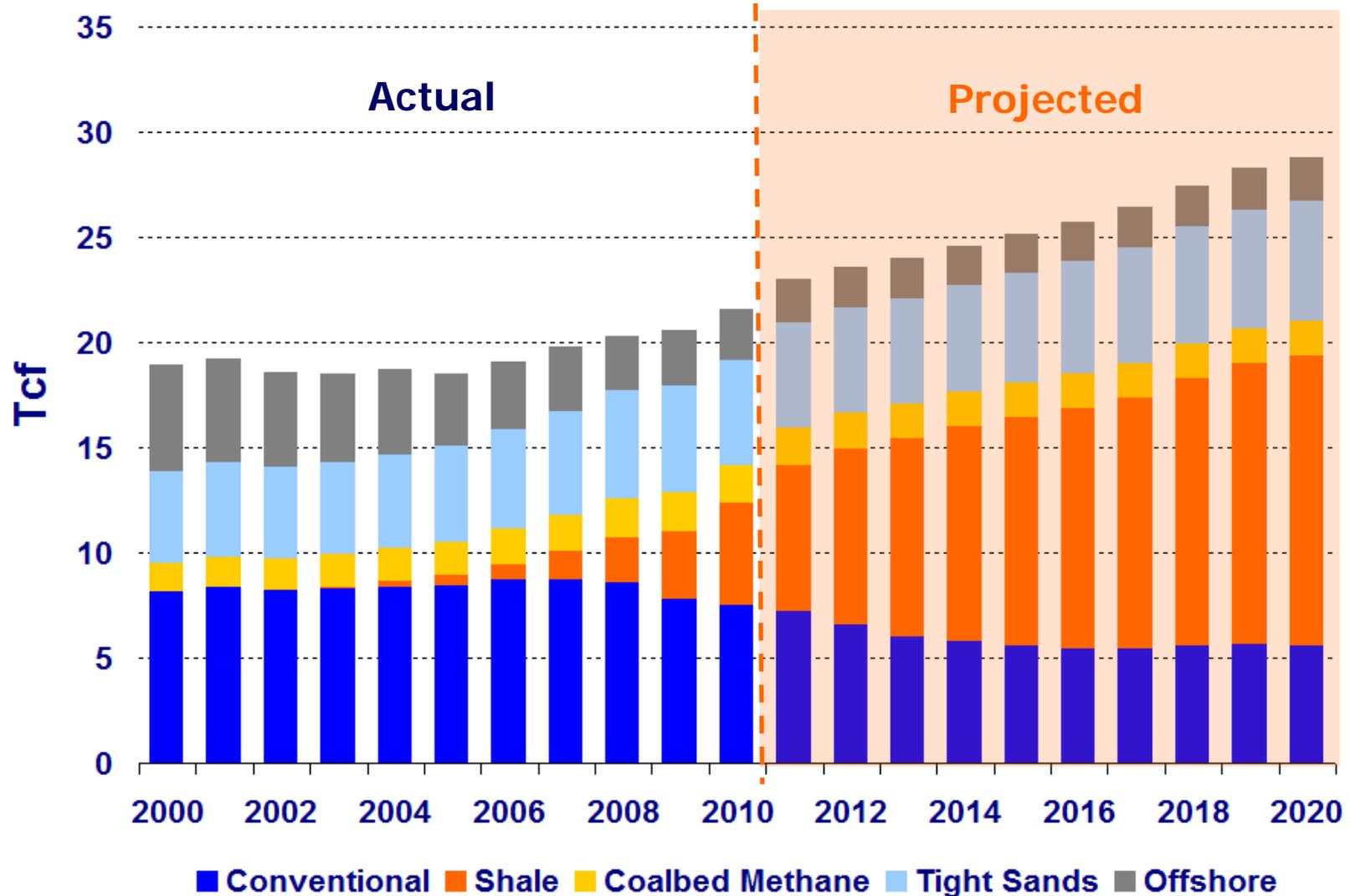
Source: ICF International April 2012 Data Base and Compass Report

Natural Gas Production by Type



Source: ICF International April 2012 Data Base and Compass Report

U.S Natural Gas Production by Type



Source: ICF International April 2012 Data Base and Compass Report

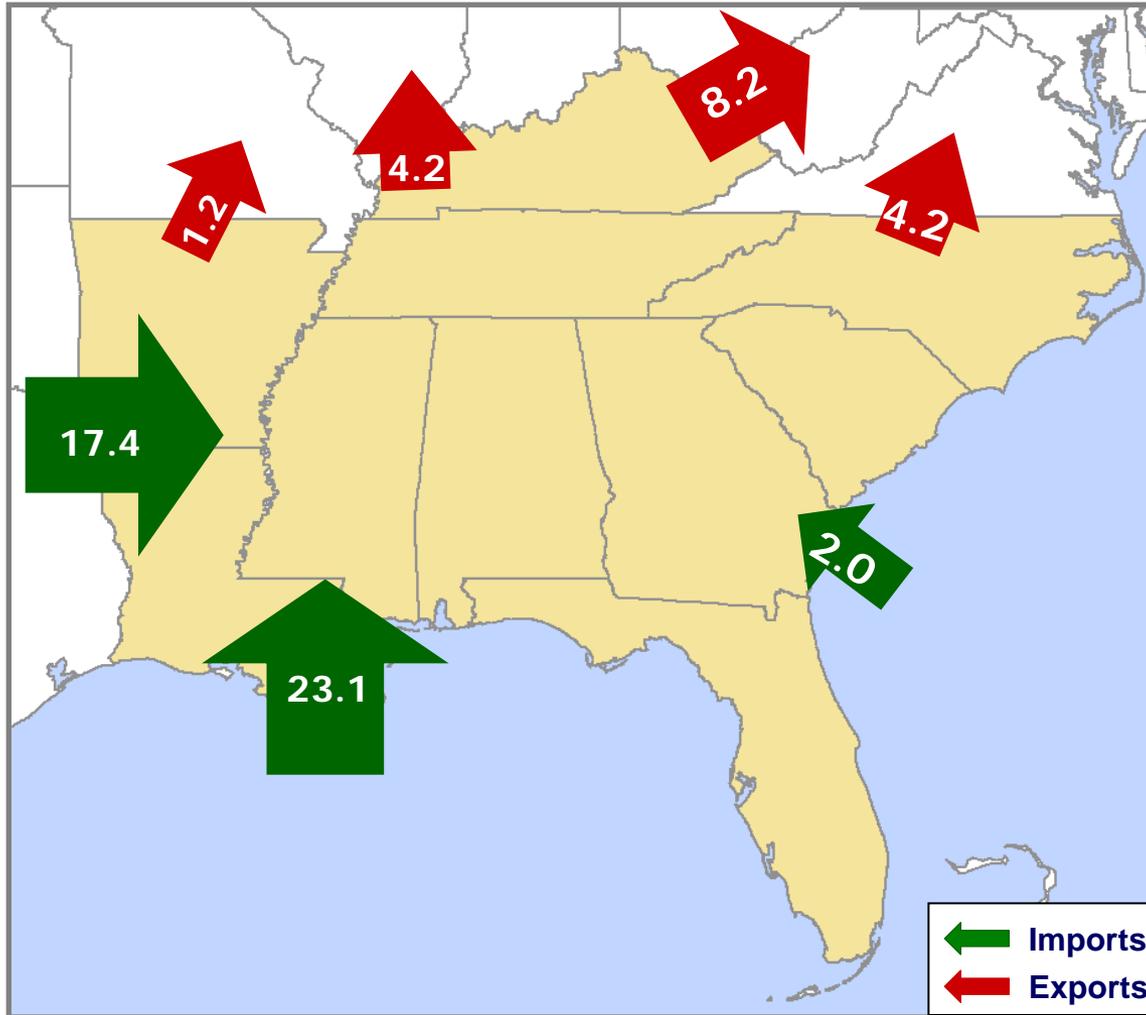
Gas Facts

(In Tcf)

	2010		2020	
	United States	Southeast	United States	Southeast
Total Gas Consumption	23.8	5.2	27.7	6.6
Total Gas Production	21.5	3.9	28.8	3.7
Total Working Storage Capacity	4.2	0.62	4.8	0.92
Total LNG Imports	0.43	0.20	0.32	0.12
Total LNG Exports	0	0	1.10	0.73

Source: ICF International April 2012 Data Base and Compass Report, EIA Spreadsheets & Fossil Energy's Quarter Reports for 2010

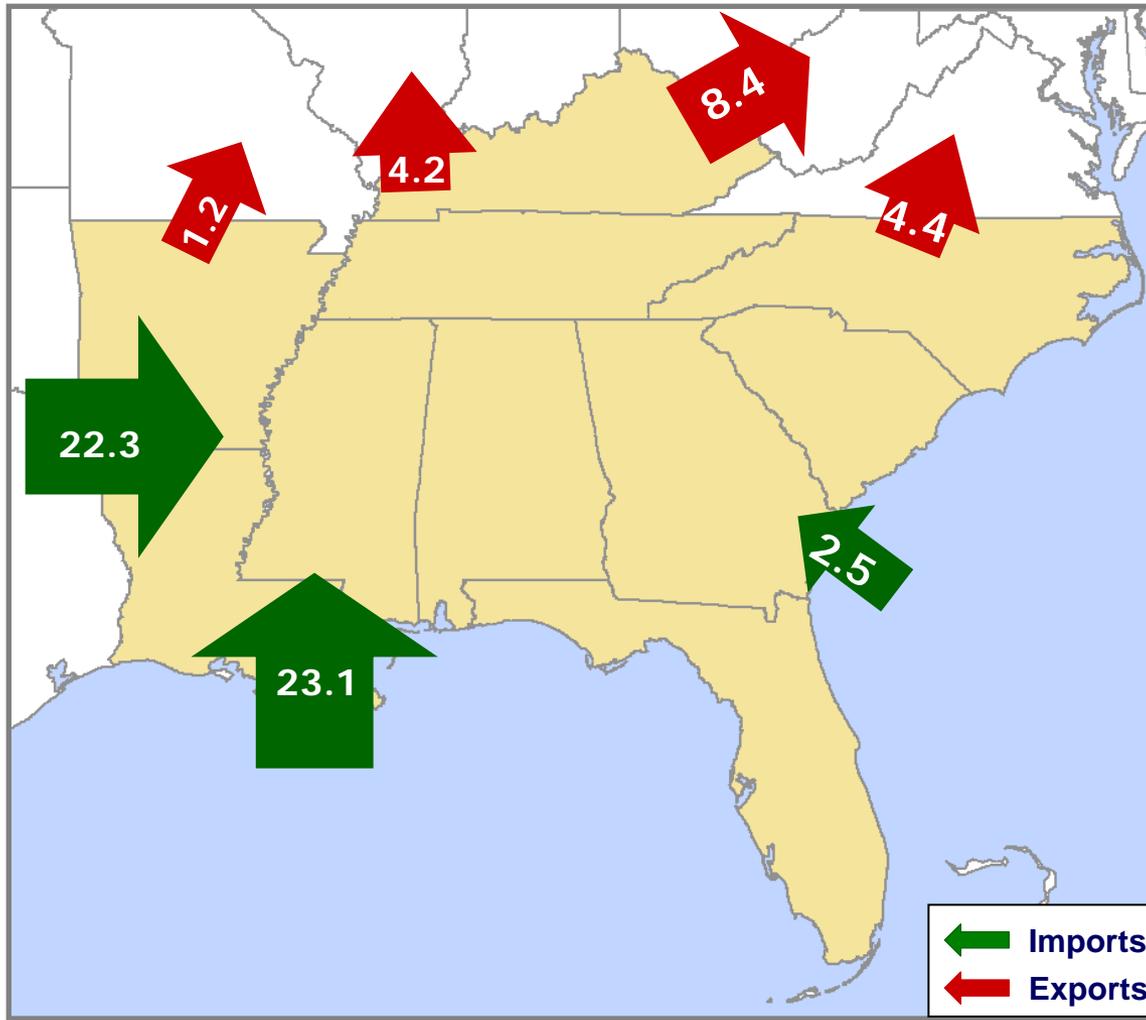
Pipeline Capacity 2010 (in Bcfd)



Import Capacity 42.5 Bcfd

Export Capacity 17.8 Bcfd

Projected Pipeline Capacity 2020 (in Bcfd)



Import Capacity 47.9 Bcfd
Export Capacity 18.2 Bcfd