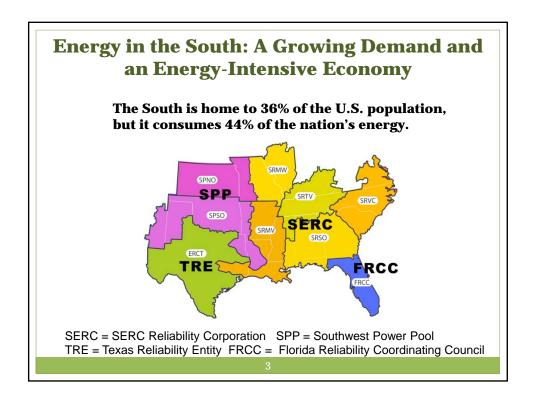
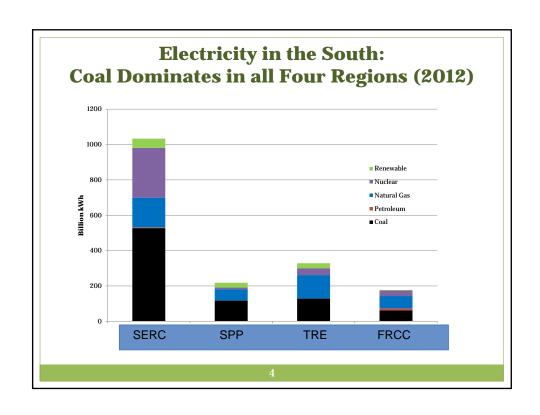


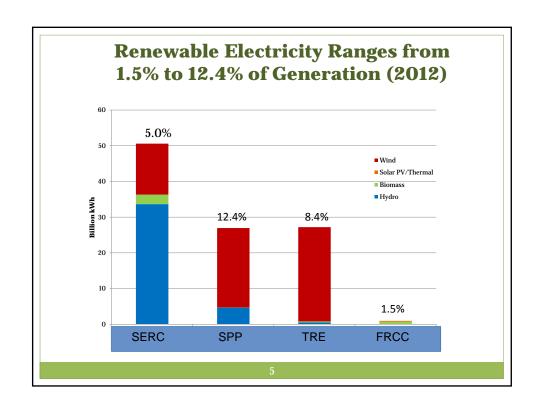
Overview

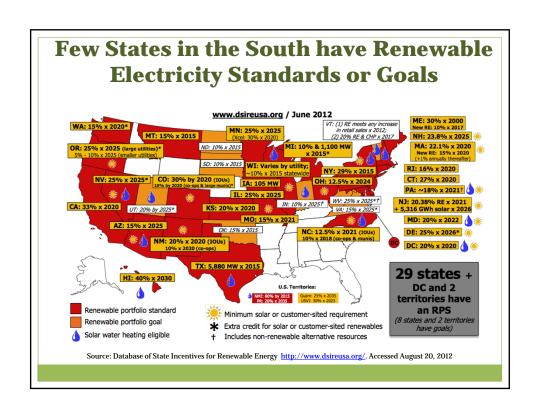


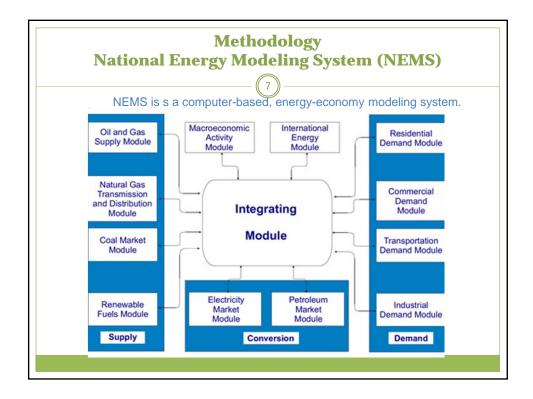
- Background
 - The U.S. South and its energy use
- Methodology
 - National Energy Modeling System (NEMS)
 - Scenario Analysis
- Myths and Facts
 - o 6 Myths about clean energy in the South
 - Facts about clean energy in the South
- Conclusions

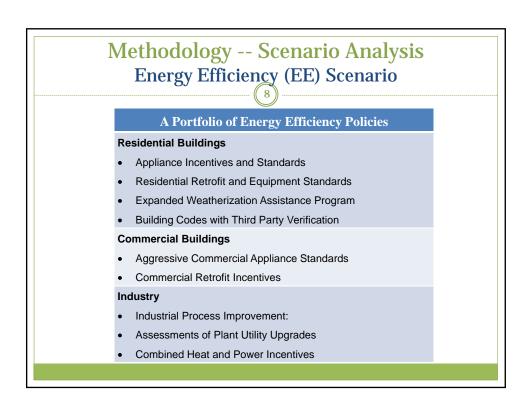












Methodology Scenario Analysis Renewable Energy (RE) Scenario									
Resource Updates									
Tax Credit Extended									(0)
Technology Improved		Ø							W
Revised Costs									

Methodology -- Scenario Analysis RES, CCF and Combinations

- Renewable Electricity Standard (RES) Scenario
 - Require 25% renewable electricity production by 2025
- Carbon-Constrained Future (CCF) Scenario
 - Impose a price on carbon, starting from \$15/metric ton of CO2 in 2010 and increasing linearly to \$51/metric ton of CO2 in 2030 (in \$2007)
- Combined Scenarios
 - O EERE
 - RE+RES
 - EERE+RES
 - EERE+CCF

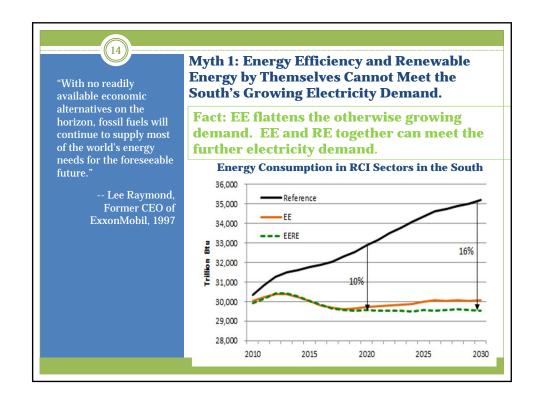
Myths restrain thought and behavior and can become powerful tools for sustaining the status quo

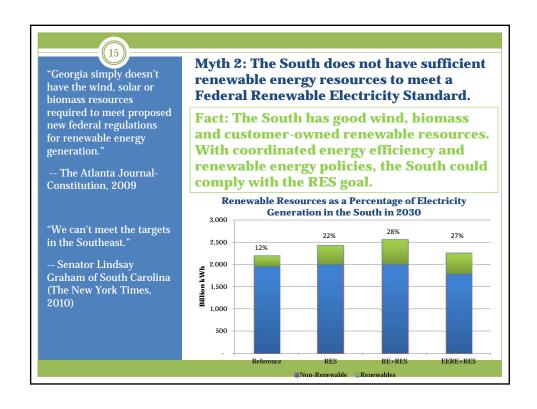
- "It ain't what you don't know that gets you into trouble. It's what you know for sure that just ain't so."
 - -- Mark Twain
- Illuminate energy myths and misperceptions
- understand the belief systems that underpin them
- explain the region's private investments and public policies and foster productive public debate.

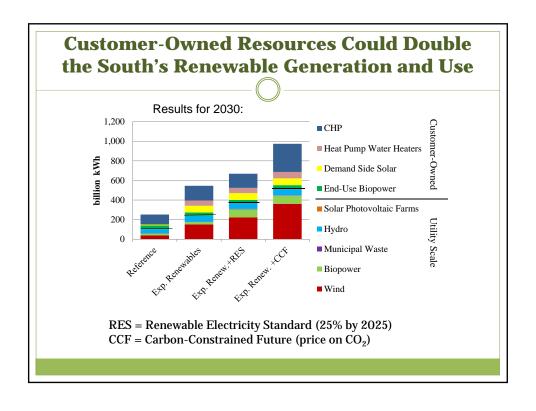
Myths About Clean Energy in the South

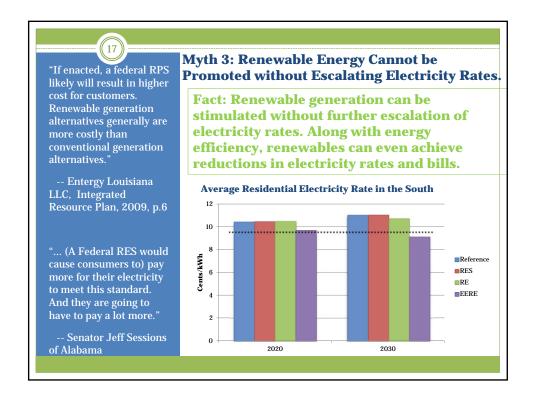
- Myth 1: Energy efficiency and renewable energy by themselves cannot meet the South's growing electricity demand.
- Myth 2: The South does not have sufficient renewable energy resources to meet a Federal Renewable Electricity Standard.
- Myth 3: Renewable energy cannot be promoted without escalating electricity rates.
- Myth 4: Energy efficiency and renewable energy policies are not compatible.
- Myth 5: Cost-effective energy efficiency and renewable energy policies are sufficient to retire existing coal plants and reduce air pollution.
- Myth 6: Power resource decisions have little impact on water consumption.

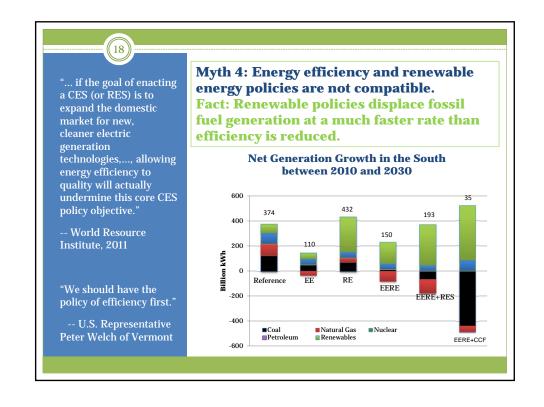


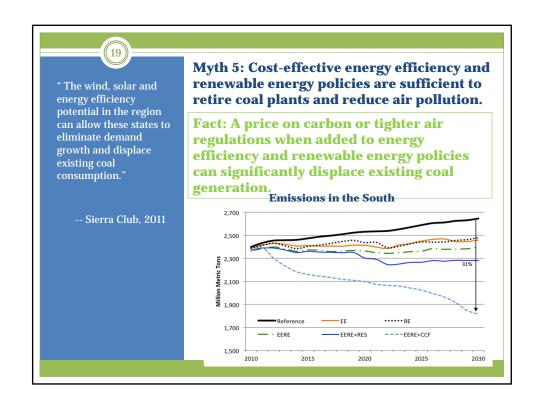


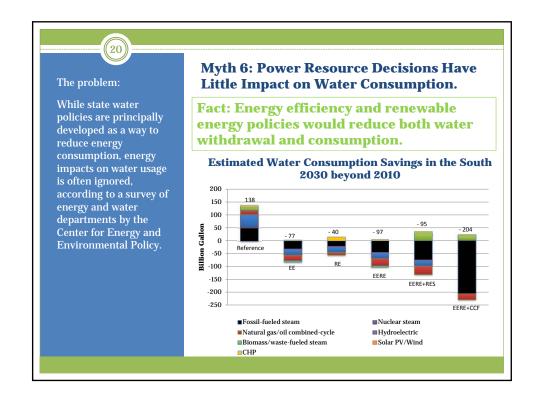












Conclusions



- In contrast to the myths, with a suite of welldeployed measures, the South can
 - Promote renewable energy without electricity rates escalation
 - Make energy efficiency and renewable energy work hand-inhand to meet future electricity demand
 - Meet the RES requirement
 - Displace a large amount of coal-fired power and reduce CO₂ emissions significantly
 - Achieve water savings

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Special thanks to Xiaojing Sun and Gyungwon Kim (Georgia Tech) for their help with this presentation.

