

South Carolina

STATE ENERGY PLAN

Planning for our energy future.



**ENERGY
OFFICE**

Office of Regulatory Staff

Energy Office

SECTION 48-52-410. State Energy Office established; purpose.

There is established the State Energy Office within the Office of Regulatory Staff which shall serve as the principal energy planning entity for the State. Its primary purpose is to develop and implement a well-balanced energy strategy and to increase the efficiency of use of all energy sources throughout South Carolina through the implementation of the Plan for State Energy Policy.

Purpose of Plan

Pursuant to 48-52-210:

- (1) ensure access to energy supplies at the lowest practical environmental and economic cost;
- (2) ensure long-term access to adequate, reliable energy supplies;
- (3) ensure that demand-side options are pursued wherever economically and environmentally practical;
- (4) encourage the development and use of clean energy resources, including nuclear energy, energy conservation and efficiency, and indigenous, renewable energy resources;
- (5) ensure that basic energy needs of all citizens, including low income citizens, are met;
- (6) ensure that energy vulnerability to international events is minimized;

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Purpose of Plan Continued

- (7) ensure that energy-related decisions promote the economic and environmental well-being of the State and maximize the ability of South Carolina to attract retirees, tourists, and industrial and service-related jobs;
- (8) ensure that short-term energy decisions do not conflict with long-range energy needs;
- (9) ensure that internal governmental energy use patterns are consistent with the state's long-range interests;
- (10) ensure that state government is organized appropriately to handle energy matters in the best public interest;
- (11) ensure that governmental energy-related tax, expenditure, and regulatory policies are appropriate, and, wherever possible, maximize the long-range benefits of competition; and
- (12) ensure that any future energy strategy that promotes carbon-free, non-greenhouse gas emitting sources includes nuclear energy, renewable resources, and energy conservation and efficiency.

Structure for Plan Development

- Steering Committee
 - Public Utilities Review Committee (PURC)
 - Investor-owned utilities
 - Cooperatives
 - Municipal systems
 - Santee Cooper
 - Environmental Organizations
- Phase I (Baseline): 6 Subcommittees
- Phase II (Recommendations): Additional Subcommittees Activated

Phase I: Establish Baseline

Determine Starting Point

- Current State of the Environment (Trends/Indicators)
- Electric Infrastructure
- Natural Gas Infrastructure
- Transportation Infrastructure
- Energy Use and Resources
- State and Federal Statutes/Regulations
- Economic and Demographic Data

www.energy.sc.gov/edata/energyplan

Infrastructure Overview

Current Energy Use
and Resources

Environmental
Regulations

Future Energy Use
and Resources

Policy
Recommendations

- Utilities operating in the State
 - Investor-owned
 - Cooperatives
 - Municipal systems
 - Santee Cooper
- Current status of electric and gas transmission system
- Grid Reliability
- Transportation (related to energy use)

Infrastructure

Current Energy Use and Resources

**Environmental
Regulations**

**Future Energy Use
and Resources**

**Policy
Recommendations**

- Who consumes energy?
- What resources generate our electric power
- What role do energy efficiency and demand response play in meeting energy demand?
- State electricity capacity/generation mix

Infrastructure

**Current Energy Use
and Resources**

**Environmental
Regulations**

**Future Energy Use
and Resources**

**Policy
Recommendations**

- Existing State and Federal Regulations impacting energy use (siting, permitting, etc.)
- EPA's Clean Power Plan
- Inventory of State & Federal Statutes
- Inventory of State Policies
- State Tax Credits
- Federal Programs Impacting SC
- Federal Policies Impacting SC
- Federal Tax Credits

Infrastructure

**Current Energy Use
and Resources**

**Environmental
Regulations**

**Future Energy
Use and
Resources**

**Policy
Recommendations**

5 & 10-Year Projections:

- Electricity/Natural Gas Demand
- Economic and Demographic Drivers
- Statewide Generation Resources
- Renewables, Hydro, Nuclear, Coal, Natural Gas, Others
- Energy Efficiency & Demand Response
- Statewide Capacity Mix
- Statewide Generation Mix
- Transportation

Infrastructure

**Current Energy Use
and Resources**

**Environmental
Regulations**

**Future Energy Use
and Resources**

**Policy
Recommendations**

Consider things like...

- Environmental Justice
- Economic development
- Resiliency and preparedness
- Incentives and barriers
- Economic and demographic impact
- Comments



Timeline

- **November/December 2015**
 - Initial Public Engagement Sessions
 - January 2016: Steering Committee Formed
- **Spring 2016:** Phase I (Baseline) plan development
 - May/June: Phase I Public Engagement Session
- **Summer 2016:** Phase II (Recommendation) plan development
 - August/September: Phase II Public Engagement Sessions
- **2016:** Draft Plan to PURC for review
- Will be a living document that is reviewed annually

Comments or Suggestions

More Information:

www.energy.sc.gov/edata/energyplan

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