

About the South Carolina Energy Office

The Energy Office serves as the main energy-planning organization for South Carolina. The goal of the Energy Office is to advance South Carolina's energy strategy and policy through education and outreach.

The Energy Office promotes the efficient use of all energy sources. In addition, the Energy Office encourages energy efficiency, renewable energy, and clean transportation through a broad range of initiatives that include:

- Developing the State Energy Plan
- Providing Technical Assistance
- Offering Financial Assistance
- Conducting Education and Outreach
- Maintaining an Energy Data Resource



The US Department of Energy's State Energy Program provides funding and technical assistance to enhance energy security, advance state-led energy initiatives, and maximize the benefits of decreasing energy waste.



The South Carolina Office of Regulatory Staff (ORS) represents consumers of investor-owned utilities in South Carolina before the Public Service Commission of South Carolina (PSC). The PSC is the state agency that sets utilities' rates. The ORS must look at the impact to the consumer and utilities' continued investment in reliable and high-quality services.

Education & Outreach

Energy Efficiency & Renewable Energy



Association of South Carolina Energy Managers

The Energy Office works with the Association of South Carolina Energy Managers (ASCEM) to offer assistance and outreach. This group brings together energy managers and industry professionals to share knowledge, discuss financing strategies, and assist with energy project implementation.



Energy Education

To promote energy education in schools, the Energy Office provides lesson plans and other resources for K-12 classrooms and teachers. The Energy Office also speaks at special events and workshops for students.



Public Entity Energy Reduction

State agencies, public school districts, and public colleges and universities are required to develop energy conservation plans and reduce their energy consumption by 20 percent by 2020, as compared to 2000 levels. In 2018, the Energy Office provided recognition for entities that met this goal:

- Lee County School District
- Kershaw County School District
- Medical University of South Carolina
- Union County School District
- Trident Technical College

Reports & Publications

Saving Energy: How Electric and Natural Gas Utilities in South Carolina are Using Demand-Side Management

Implementation of State Government Energy Conservation

Implementation of Energy Efficient Manufactured Homes Incentive Program

Monthly Energy Connection Newsletter: **2,379 subscribers**

2018 Events

SC Manufacturers Alliance Environmental Conference	February 7
ASCEM Spring Conference	April 26
Richland Recycles	May 11
IMAGINE STEM Festival Midlands	March 3
Consumer Protection Week at Cayce Harvest Hope	March 9
Forest Lake and Eastminster Church Earth Day	April 15
Energy Information Sessions:	Hopkins: July 25 Aiken: August 16 Florence: September 6 N Charleston: October 29
Tasty Tomato Festival	August 11
Charleston County STEM Expo	August 28
Sumter eSTEAM	October 6
American Society of Heating, Refrigerating and Air-Conditioning Engineers Meeting	September 26
Southeastern Regional Association of Physical Plant Administrators Conference	October 6-9
Solar in Your Community Opportunity Summit	October 26-27
SCDHEC Environmental Assistance Conference	November 7
National Association of State Energy Officials South Carolina Financing Partnerships Roundtable	December 4
Palmetto Women in Energy and Environmental Resources Luncheon	December 13
SCCEBA Summit	December 18

2018 Training

Building Operator Certification	February - June
ASHRAE Energy Management Best Practices Course	April 26
Accredited Commercial Energy Manager (ACEM) Training	October 16 - 19

Clean Transportation



As a US Department of Energy Clean Cities program, the Energy Office continues to administer the Palmetto Clean Fuels coalition (PCF) to promote alternative fuels and clean transportation in South Carolina.

Reports & Publications

Annual Alternative Fuel and Petroleum Reduction Report

South Carolina Alternative Fuel Corridor Convening Summary Report

Monthly Hubcap Newsletter: **1,324 subscribers**

2018 Training

PCF Webinar Series March - December

2018 Events

Duke University Nicholas Institute Southeast Forum	May 30
SC Alternative Fuel Corridor Convening	June 13
Region 2 American Association of Motor Vehicle Administrators Conference	June 18-21
Sustainable Fleet Technology Conference	August 21-23
Autogas Answers	August 29
South Carolina Clean Energy Business Alliance (SCCEBA) Clean Transportation Roundtable	September 20
National Drive Electric Week - Columbia	September 22
Southeast Diesel Collaborative Conference	September 26-27

Financial Assistance

At a Glance

- Energy Savings (kBtu)
737,690,599
- Energy Cost Savings (\$)
\$981,950.34
- GHGs Reduced (tons of CO₂e)
54,385
- 3 ConserFund Loans
- 2 ConserFund Plus Loans
- 6 Mini-grants



The Energy Office offers several financing options for energy efficiency, renewable energy, and clean transportation initiatives. These include low-interest loans, grants, tax incentives, and information on utility incentives. A nine-member Energy Advisory Council reviews and makes recommendations on awards.

ConserFund

Financing type: Loan

Eligible applicants: State agencies, public school districts, public colleges or universities, local governments, and 501(c)(3) organizations

Maximum award value: \$500,000 per state fiscal year

Winthrop University: \$61,505

LED lighting and controls in gymnasium

City of Darlington: \$275,420

LED lighting in six city buildings

Town of Saluda: \$84,787

LED lighting and solar installation at town hall

ConserFund Plus

Financing type: 70% Loan, 30% Grant

Eligible applicants: State agencies, public school districts, and public colleges or universities

Maximum award value: \$500,000 per state fiscal year

Clarendon School District 3: \$130,000

HVAC controls at an elementary school

Dillon School District 3: \$667,016

HVAC, lighting, and controls throughout the district

Energy Efficiency Revolving Loan (EERL)

Financing type: Loan

Eligible applicants: Business and industry (utilities, 501(c)(3) organizations, and government entities may be eligible under certain circumstances)

Maximum award value: \$1,000,000

No loans issued in 2018

Mini-grants

Financing type: Grant

Eligible applicants: State agencies, local governments, public school districts, public colleges or universities, and 501(c)(3) organizations

Maximum award value: \$5,000-\$10,000

Fort Lawn Community Center:

\$10,000

LED lighting and building envelope improvements

City of Myrtle Beach: \$4,759

10 bike racks around the city

SC Interfaith Power and Light: \$5,000

“Cool Congregations” initiative – energy efficiency improvements at two churches

Town of Batesburg-Leesville: \$4,582

LED lighting upgrade at fire station

Spartanburg School District 1: \$5,092

LED lighting upgrade

Tax Credits & Incentives

The Energy Office promotes incentives and verifies state tax credits to help make clean and efficient energy choices available to South Carolinians.

\$42,000 of ENERGY STAR® manufactured home tax credits

\$51,263 of transportation tax credits/incentives

2,991 energy efficiency labels distributed to manufactured home manufacturers

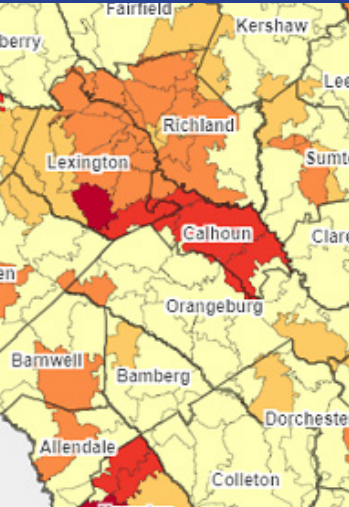


Technical Assistance

During 2018, the Energy Office offered free energy assessments to state and local governments and other entities to help identify cost-effective energy conservation measures.

1,258,090 kWh
\$166,508
of projected savings

8 energy audits performed
3 fleet analyses performed
464,878 sq. ft.
of audited buildings



Energy Data Resources

The Energy Office website hosts a central resource for South Carolina-specific data and information on energy consumption and costs, electric, natural gas, renewables, and transportation. The website features charts, GIS maps, and data sets that can be used to see utility-specific customer counts, territory maps, renewable energy trends, revenue, and transportation fuel consumption.

State Energy Plan

The South Carolina State Energy Plan is a comprehensive blueprint to build a clean, reliable, resilient, and affordable energy system for South Carolina. With development beginning in early 2016, the final phase of the Plan was completed at the end of 2018. Study committees and task forces surrounding eight cross-cutting priorities finalized study reports and developed an extensive list of policy recommendations.

Reports & Publications

- Discussion of South Carolina Act 236: Version 2.0*
- South Carolina Natural Gas Infrastructure Study Committee Report*
- Integrated Resource Plan Guidelines*



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