

South Carolina Energy Office Update

2024 Tri-Association Conference

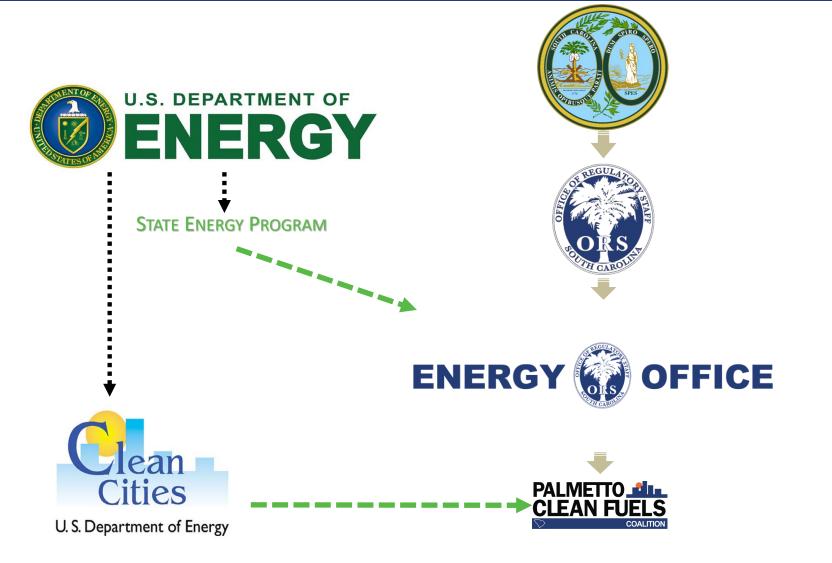
March 12, 2024



Our Mission

The mission of the South Carolina Energy Office is to advance South Carolina's energy strategy and policy by encouraging energy efficiency, renewable energy, and clean transportation through education and outreach.

Our Structure



State Energy Planning

Maximizes:

- ✓ Environmental quality,
- ✓ Energy conservation &
- ✓ Energy efficiency,

AND

Minimizes:

✓ Cost of energy throughout the State

SC Code §48-52-210

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PCF Intern

FEDERAL FUNDING



Federal Funding – Received > State Energy Program (SEP)

0 SEP (Annual) \$900k SEP BIL (5 yrs) \$6.8 million

- State Energy Plan
- Home Labeling/Scorecard
- Expand Funding Programs
 - Solar Grant
- EV Stakeholder Next Steps
- Education/Outreach
- Expanded Training
- Clean Energy Demonstration Projects for Resilience
 - Transmission & Distribution Planning
- Staffing & Resources

Federal Funding – *Received*Energy Efficiency and Conservation Block Grant (EECBG)



March 18, 2024 - April 15, 2024

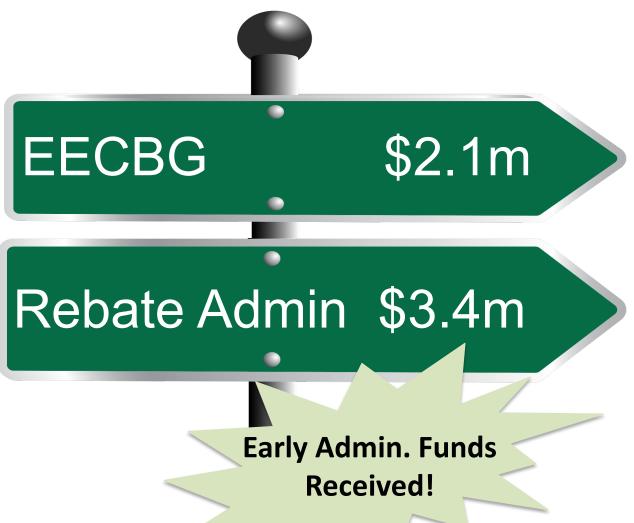


Funds for local governments to plan and implement energy-efficiency, renewable energy, and clean transportation projects

- \$2.1 million formula funding to SC
- >60% to Units of Local Government
 - 36 counties; >250 municipalities eligible
- \$50,000 \$75,000 each
- Additional eligible entities include:
 - Local public authorities
 - School districts and Special districts
 - Council of Governments (COGs)

Federal Funding – Forthcoming

Residential Rebate Programs



Inflation Reduction Act (IRA) framework for 2 distinct, residential rebate programs

- 1. HOMES (Efficiency)
- 2. HEAR (Electrification)
- \$68 million per program

 Available until 2031 but not yet
- Early Administrative Funds
 For state to develop its programs
- Balance of funding to be released in 4 tranches

IRA Rebate Programs' Differences

"HOMES"

- Rebates for homeowners & aggregators
 - Income verification
 - Increased rebates for Low to Moderate
 Income (LMI) households
- Modeled/Measured energy saving retrofits
- Certificates issued for rebates
- Includes \$200 rebates to contractors

"HEAR"

- Rebates for eligible LMI entities
 - Income verification
 - Point of Sale
- Appliances & nonappliances
- \$14,000 Maximum per household



Federal Funding – Application submitted

> Training for Residential Energy Contractors Grant (TREC)



Elements of TREC include:

- reduce the cost of training contractor employees;
- provide testing & certification for contractors trained & educated under a State program developed and implemented by EO; and
- partner with nonprofits to develop
 & implement a State program.

Federal Funding – Here and on the Horizon



ADDITIONAL FUNDING OPPORTUNITIES



Energy Office Financing - Loans

ConserFund Loan

- Loans from \$25,000 up to \$500,000
- 1.5% interest rate with terms of up to 10 years
- Open to 501(c)(3) non-profits and government entities
- Payments due quarterly for non-profits and annually for government entities
- ConserFund | Energy.SC.Gov

Energy Efficiency Revolving Loan (EERL)

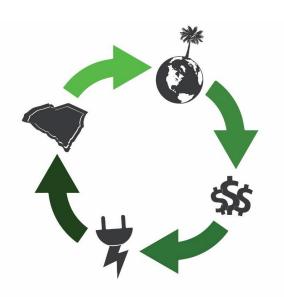
- Loans from \$50,000 up to \$1,000,000
- Variable interest rate with terms of up to 10 years
- Open to all commercial entities
- Administered by the South Carolina Business Development Corporation
- https://www.businessdevelopment.org/eerl.html



Energy Office Financing - Grants

Annual Mini-Grant Program

- Competitive Grants, typically up to \$10,000
- High-impact demonstration projects
- Open to 501(c)(3) non-profits and government entities
- Opens at start of each state fiscal year (July)
- Brief application window
- Projects awarded mini-grants must be completed and reimbursed by end of the fiscal year
- Mini-grant Program | Energy.SC.Gov



Federal Funding Requirements

Buy American/ Build American

Federal funding to use American made products

Davis-Bacon

All contractors are paid prevailing wage for geographical location

Historic Preservation

Buildings over 50 years old and in historical districts

National Environmental Policy Act (NEPA)

Bounded categories identified; review required if not included in bounded category

Justice 40/ Rural focus

40% of overall benefits flow to federally defined disadvantaged communities



WHAT ELSE ARE WE WORKING ON?



Training Opportunities

 NEW Solar Training through Coastal Carolina University (Spring Semester)

- Spring Courses
 - Boiler Course (May 7-8, 2024)
 - BPI Course (April 8-12, 2024)
- Teacher Workshops for 2024 (Dates TBD)



SC Energy Office Education Webpage

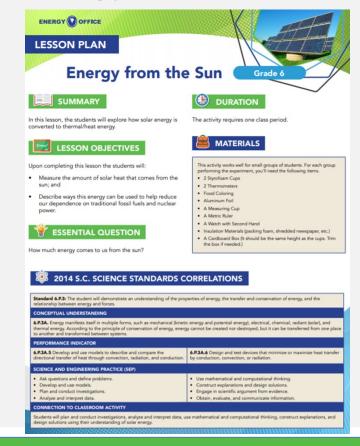
Accredited Commercial Energy Manager (Late Fall)

Education and Outreach

K-12 Lessons and Toolkit

https://energy.sc.gov/programs/educationoutreach-training/energylessons





NEWS RELATED *



Website **Update**



Workforce Development Tool

The SCEO has developed a Clean

Energy Workforce Development Tool,
designed to connect individuals and
organizations with the training
resources they need to adapt to the
rapidly evolving clean energy field.



Clean Energy Workforce Development Tool

South Carolina Clean Energy Workforce Development Tool



Welcome to the South Carolina Energy Office's Clean Energy Workforce Development Tool. This tool is designed to connect individuals and organizations with the training resources they need to adapt to the rapidly-evolving clean energy field. Whether you are a student, job seeker, technical trade worker, or employer, this database may help you find information on a variety of clean energy training opportunities such as apprenticeships, certificates, degree programs, and stand-alone courses.

Explore in-person and online training opportunities in numerous clean energy subfields including Solar, Energy Efficiency, Heating, Ventilation, Air Conditioning, and Refrigeration (HVAC-R), and more at the bottom of this page. If you would prefer to explore opportunities based on location rather than topic, please click the link below.

Search by Location

The opportunities listed in this database are South Carolina-focused and are not exhaustive, but will be updated periodically to ensure they are as accurate as possible.

If you have any questions about this tool or would like to suggest additional resources which should be added, please email the South Carolina Energy Office.

Search by Topic

Which topic interests you?

- O Solar
- O Heating, Ventilation, Air Conditioning, and Refrigeration
- Electrical Systems
- Electric Vehicles
- Energy Efficiency



Alternative Fuels in SC

The EV Stakeholder Initiative (EVSI)

a collaborative and diverse statewide discussion to explore opportunities to advance EV deployment in South Carolina, developing 27 policy and programmatic recommendations.

Act 46 (2021)

Joint Legislative Committee on the Electrification of Transportation as a forum for consideration of EVSI Recommendations, as well as other relevant factors supporting the equitable transition to electrification

Executive Order No. 2022-31

- ✓ SC DOT's EV Interagency Working Group
- ✓ SC Commerce, EV economic development website, SCpowersEV.com
- ✓ SC DEW, Workforce Gap Analysis



Alternative Fuels In SC



The South Carolina Energy Office – Office of Regulatory Staff (SCEO) published its SC Electric Vehicle Stakeholder Initiative report in September 2022, which included initial recommendations from SC's EV stakeholders, like you. The SCEO remains committed to gather stakeholder input on this transition.

We invite you to help the SCEO gather more information about the challenges, opportunities, and ongoing efforts related to transportation electrification in South Carolina since September 2022 by completing this survey.



For more on the EVSI, please visit our webpage, energy.sc.gov.

SC Office of Resilience Partnership

- SC Office of Resilience Collaboration
 - Climate Pollution Reduction Grant
 - Solar for All
 - Home Energy Rebates



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 Subscribe to our newsletters to get the latest Energy Office updates!

 Visit our website, <u>Energy.SC.Gov</u>, to get more information on programs and trainings that we are currently offering.



SC Energy Office Newsletters



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