

South Carolina's
Energy Efficiency and Conservation
Block Grant (SC EECBG) Program
Project Think Tank Webinar
Part 2

December 12, 2023

Agenda

- Welcome and introductions
- Overview of SC's EECBG application guidance and process
- Walk-through of SC EECBG application
- Additional resources available
- Answers to some Frequently Asked Questions (FAQs)
- Wrap-up and closing



SC EECBG
Website

December 12, 2023

Webinar Introduction

- This webinar is being recorded & will be available later on the EO EECBG webpage.
- Please use the chat and Q&A feature to interact with each other and our panelists throughout the meeting.
- This a think tank so please feel free to share any comments, ideas, or questions that you may have about potential projects!

The SC Energy Office Energy Efficiency and Conservation Block Grant (SC EECBG) Team



Energy Program Manager

Richelle Tolton



Sr. Energy Specialist

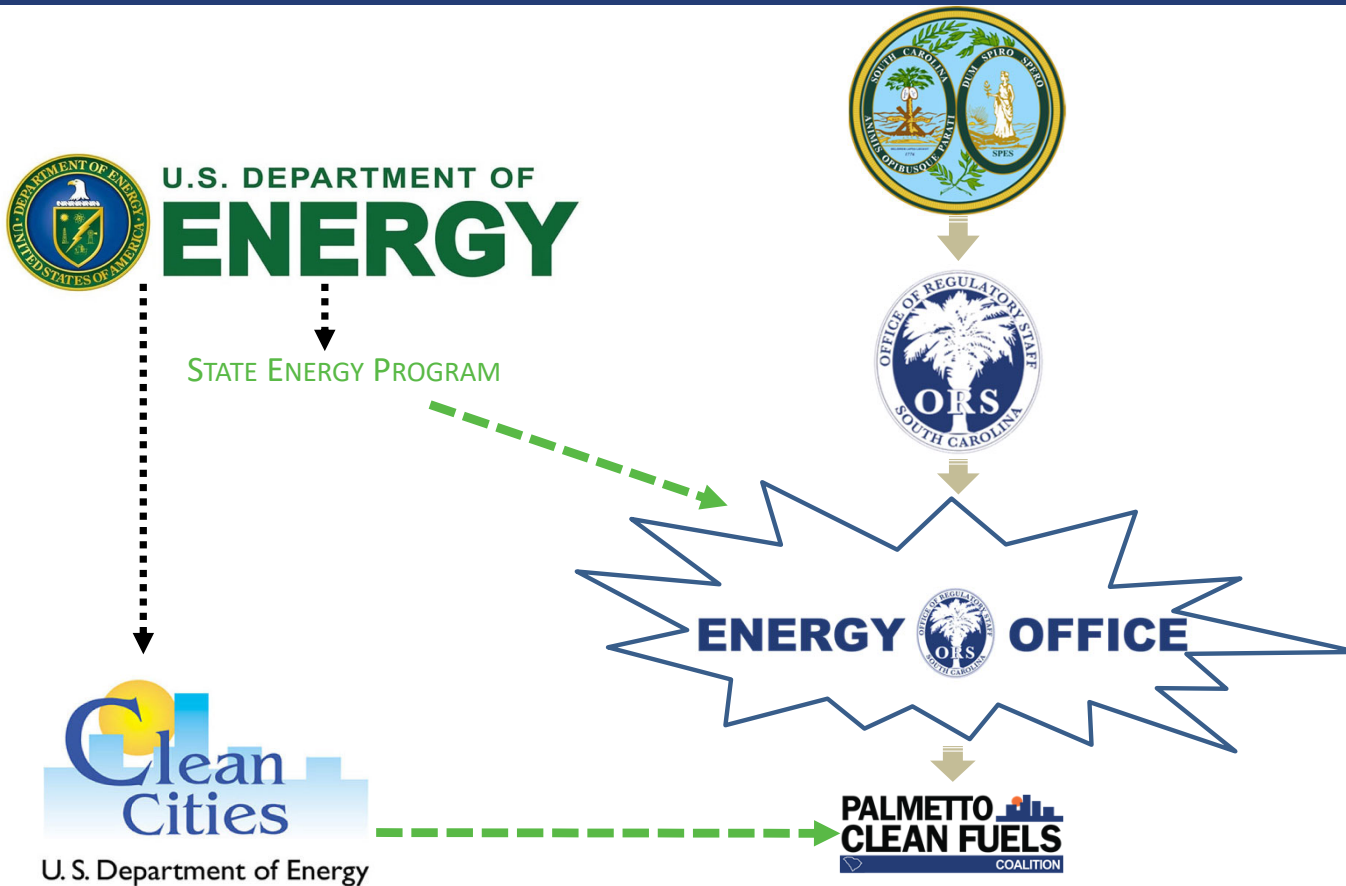
Sam Christmus



Energy Specialist

Kayla Nelums

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

Mentimeter Instructions



Scan the QR code to access
our menti polls

or

Join at menti.com

Use code: 2910 5919

Menti Poll Question

- What organization do you represent?

SC EECBG program

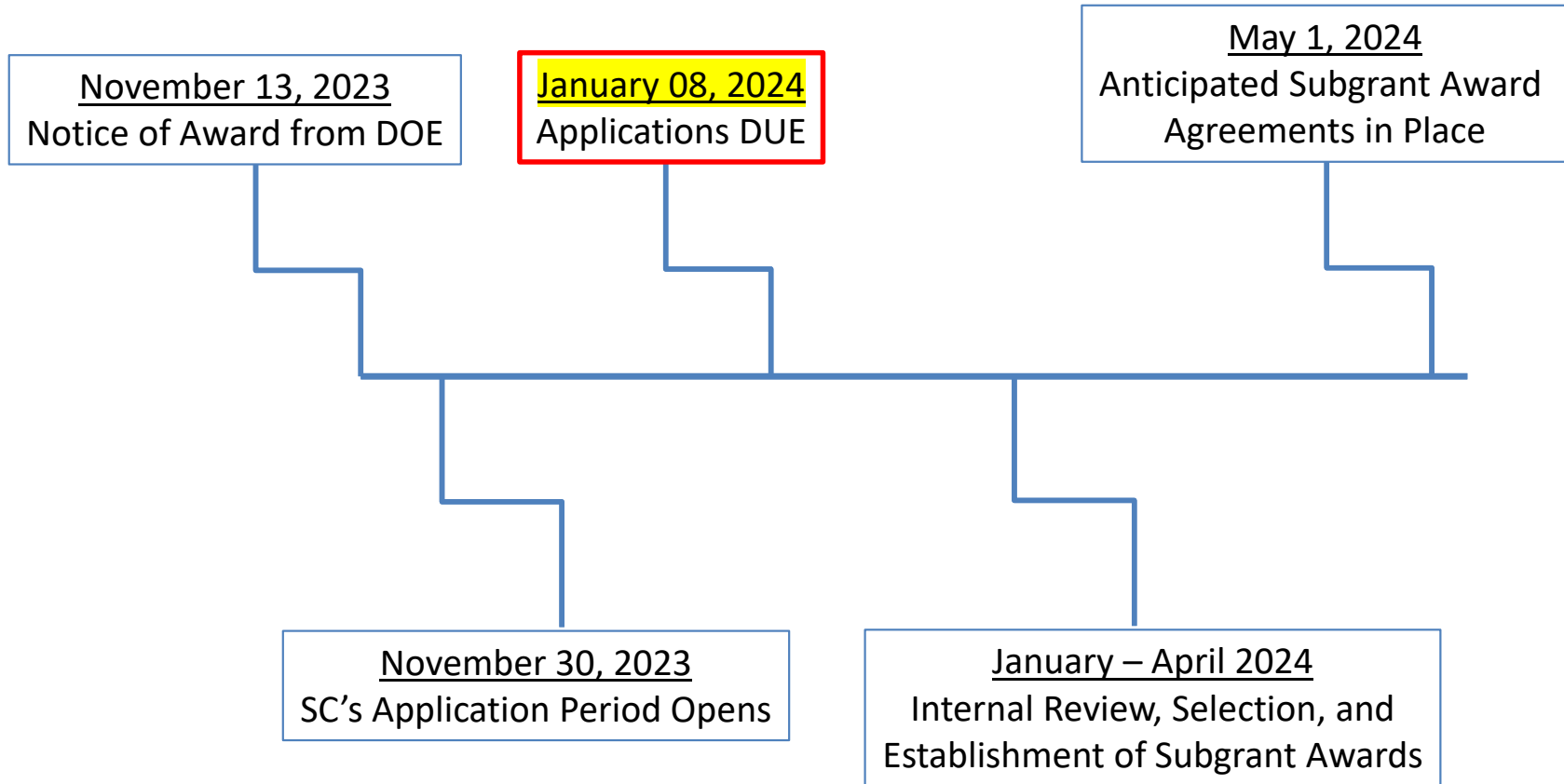
The Energy Office has received formula funding through U.S. Department of Energy (DOE) EECBG Program to award subgrants via the competitive SC EECBG program!

- SC EECBG plans to fund many different energy-efficiency, renewable energy, and clean transportation projects in SC.
- We plan to award between 20 - 30 competitive EECBG subgrants.
- The subgrants will range from \$50,000 - \$75,000 each.



Open through
January 8, 2024

Projected initial 180-Day Timeline (DOE)



SC Entities Eligible for US DOE EECBG Directly (not the SC program)

In South Carolina:

- 10 counties,
- 14 municipalities, and
- 1 tribal nation

have been allocated formula funding directly from the U.S. DOE; therefore, they are **INELIGIBLE** for the South Carolina competitive EECBG program.

For questions about US DOE's program, contact US DOE directly at eecbg@hq.doe.gov.

SC Municipalities with a Federal Allocation

Charleston
Columbia
Florence
Greenville
Goose Creek
Greer
Hilton Head
Mount Pleasant
Myrtle Beach
North Charleston
Rock Hill ✓
Spartanburg
Summerville
Sumter

SC Counties with a Federal Allocation

Aiken
Anderson
Beaufort
Berkeley
Greenville
Horry
Lexington
Richland
Spartanburg
York

Tribal Government with a Federal Allocation

Catawba Indian Nation

SC EECBG Application Guidance

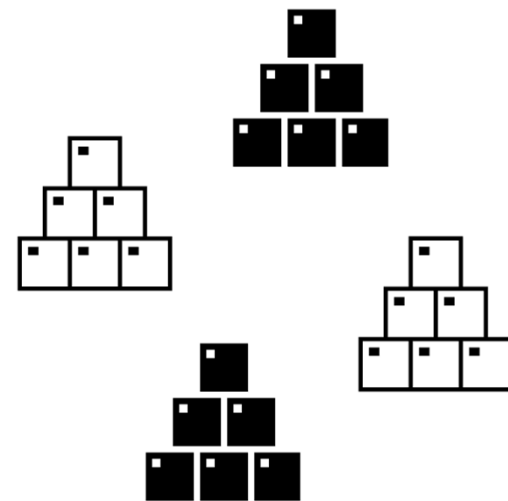


Menti Poll Question

- Have you had a chance to review the SC EECEBG Guidance?

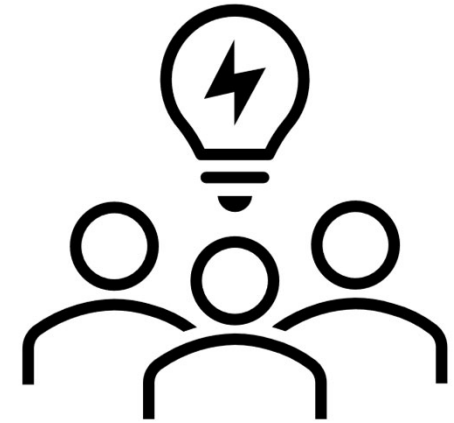
Key Components of SC EECBG Application

- Lead Organization (project coordinator)**
- Project Description
 - Project Categories**
 - Project Overview
 - Project Metrics**
 - Project Site Information
- Proposed Project Budget
- Project Timeline
- Applicant's Obligations and Signature



Considerations before applying

- Reimbursement of Expenses
- Project Permits
- Procurement Process
- Up to Two (2) Years for Project Period
- Maintenance of Records & Audit Requirements
- Federal Requirements



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)**
Consideration of environmental impacts
- **Justice 40/ Rural Focus**
40% of overall benefits flow to disadvantaged communities

Selection Criteria

Savings

Expected energy saving and emission reductions.

Impact

Simple payback period and expected useful life of the project and impact.

Feasibility

Ability to complete the project within the specified timeline and budget.

Location

Justice 40 Initiative and community interest.

Innovation

Utilize new and creative ideas, methods, technologies, and/or partnerships.

Resilience

Compatibility with current or future infrastructure. Positively impact community when faced with environmental change and/or natural hazards.

SC EECBG Application Form



Menti Poll Question

- Have you had a chance to review the Application Form?

Applicant Information

I. APPLICANT INFORMATION:

Print clearly or type -

Project Title: _____

Name of Organization: _____

Mailing Address: _____

Federal Tax ID #: _____ **UEI/SAM #:** _____

Required before awards are made.

[DUNS/SAM # FORM \(PDF\)](#)

Employer Identification Number (EIN): _____

Project Coordinator: _____

print or type name and title

Telephone: _____ Email: _____

Organization Signatory: _____

print or type name

Title: _____ Telephone: _____

Email: _____

Unique Entity ID /SAM

UEI

- SAM requires any organization seeking Federal funding to obtain a UEI.
- DUNS has recently switched to UEI as of April 4, 2022. Therefore, if you have a registered DUNS, you MUST register for UEI as DUNS is no longer valid.
- If you did not have a UEI, you may register for your UEI here - [SAM.gov | Entity Registrations](#).

SAM

- SAM registration must be renewed at least every 12 months to remain valid.
- To register in SAM go to [SAM.gov | Home](#) and click "Create User Account" or call 1-866-606-8220.

FAQ – [sam.gov/content/duns-uei](#)

Project Metrics Summary

C. Project Metrics Summary:

Estimate the total benefits that will result from the implementation of the project(s) and attach documentation to support calculations for the following applicable metrics. *Metric descriptions are provided below the following table.*

Funds Requested	\$	
Total Project(s) Costs	\$	
Total Projected Annual Energy Savings expressed in British thermal units (Btu) (if applicable) <i>[Note: 1 kWh = 3,412 Btu, 1 Therm = 100,000 Btu, 1 Gallon of Gasoline = 114,000 Btu]</i>		Btu
Total Projected Annual Cost Savings (if applicable)	\$	
Projected Simple Payback Period (if applicable)		years
Expected Useful Life		years
Environmental Benefits:		

EPA created the GHG Equivalencies Calculator to assist with emissions reductions calculations useful to your applications.



[Greenhouse Gas Equivalencies Calculator](#)

Environmental Benefits Example

Step 1 - Enter and convert data

Select data to convert: ⓘ

- Energy data ⓘ
- Emissions data

Enter data:

Unit

Amount

- Gallons of gasoline
- Gasoline-powered passenger vehicles ⓘ
- Kilowatt-hours avoided ⓘ
- Kilowatt-hours used ⓘ
- MCF of natural gas
- Therms of natural gas

10,000

Convert data

Clear Fields

Step 2 - View results

7.1 Metric Tons of Carbon Dioxide (CO₂) equivalent

This is equivalent to greenhouse gas emissions from:

1.6

gasoline-powered passenger vehicles driven for one year ⓘ



18,167

miles driven by an average gasoline-powered passenger vehicle ⓘ



This is equivalent to CO₂ emissions from:

797

gallons of gasoline consumed ⓘ



696

gallons of diesel consumed ⓘ



7,938

pounds of coal burned ⓘ



0.094

tanker trucks' worth of gasoline ⓘ



0.893

homes' energy use for one year ⓘ



1.4

homes' electricity use for one year ⓘ



0.039

railcars' worth of coal burned ⓘ



16.4

barrels of oil consumed ⓘ



Project Categories

The SC Energy Office has selected eight (8) project categories from DOE's program for the SC subgrant program.



[US DOE EECBG Eligible Activities and Programs \(PDF\)](#)

- Strategy Development and Implementation
- Energy Efficiency Retrofit Grants for Government Agencies
- Conservation of Transportation Energy
- Building Codes and Inspection Services
- Reduction, Capture, and Use of Landfill Gases
- Replacement of Traffic Signals and Street Lighting
- On-site Renewable Energy on or In a Government Building
- Programs for Financing, Purchasing, and Installing Energy Efficiency, Renewable Energy, and Zero-emission Transportation (and associated infrastructure) Measures and Capital Investments, Projects, and Programs for Leveraging Public and Private Sector Funds

US DOE Blueprints

- The US DOE EECBG Program Blueprints offer ideas in energy planning, efficient buildings, renewables, electric transportation, finance, and workforce.
- Model projects and programs designed to help local and tribal governments achieve high impact results with limited grant dollars.
- Thirteen (13) blueprints in total.



[US DOE](#)
[EECBG](#)
[Blueprints](#)

Project Categories paired with Blueprints

- **Strategy Development and Implementation (Category 1, page 7)**

Corresponding Blueprints:

- **1:** Energy Planning
- **3D:** Renewable Resource planning for Rural and Tribal Communities

- **Energy Efficiency Retrofit Grants for Government Agencies (Category 5, page 14)**

Corresponding Blueprints:

- **2A:** Energy Efficiency: Energy Audits, Building Upgrades
- **2B:** Energy Saving Performance Contracts: Energy Efficiency and Electrification in Government Buildings

Project Categories with Blueprints (cont.)

▪ **Conservation of Transportation Energy (Category 7, page 18)**

Corresponding Blueprints:

- **4A:** Electric Vehicles and Fleet Electrification
- **4B:** EV Charging Infrastructure for the Community

▪ **Building Codes and Inspection Services (Category 8, page 20)**

Corresponding Blueprint:

- **2D:** Building Performance Standards and Stretch Codes

Project Categories with Blueprints (cont.)

- **Reduction, Capture, and Use of Landfill Gases (Category 11, page 25)**

Corresponding Blueprints: none available

- **Replacement of Traffic Signals and Street Lighting (Category 12, page 26)**

Corresponding Blueprints: none available

- **On-site Renewable Energy on or In a Government Building (Category 13, page 28)**

Corresponding Blueprints:

- **3A:** Solar and Storage - *Power Purchase Agreements and Direct Ownership
- **3D:** Renewable Resource Planning for Rural and Tribal Governments

*Power Purchase Agreements are not relevant to South Carolina, but solar leasing is.

Project Categories with Blueprints (cont.)

- **Programs for Financing, Purchasing and Installing Energy Efficiency, Renewable Energy, and Zero-emission Transportation (and associated infrastructure) Measures and Capital Investments, Projects, and Programs for Leveraging Public and Private Sector Funds (Category 14, page 30)**

Corresponding Blueprints:

- **2A:** Energy Efficiency- Energy Assessments and Building Upgrades
- **2B:** Efficiency and Electrification of buildings – Energy Savings Performance Contracts
- **2C:** Building Electrification Campaign
- **3A:** Solar + Storage- Power Purchase Agreements and Direct ownership
- **3B:** Community Solar
- **3C:** Solarize Campaign
- **3D:** Renewable Resources Planning for Rural and Tribal Communities
- **4A:** Electric Vehicles and Fleet Electrification
- **4B:** EV Charging Infrastructure for Communities

Menti Poll Question

- Which category/categories do you think your project will fall under?

**SC EECBG
Additional
Resources**

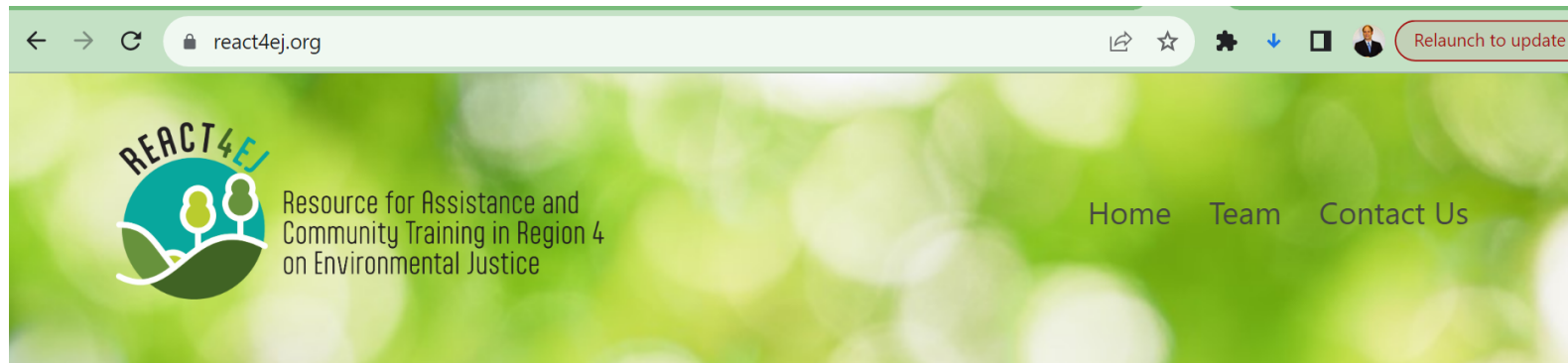


**Resource for Assistance and Community
Training (REACT4EJ)
EPA Region 4 Environmental Justice
Thriving Communities Technical
Assistance Center**



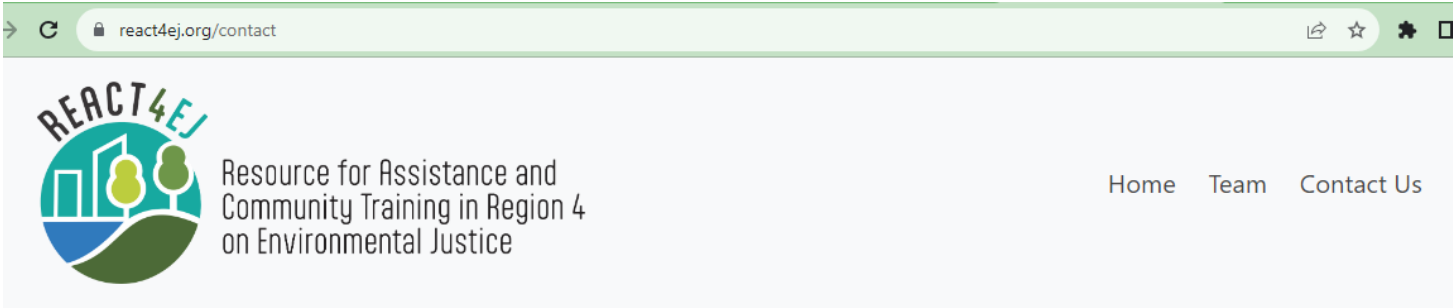
Resource for Assistance and
Community Training in Region 4
on Environmental Justice

Website



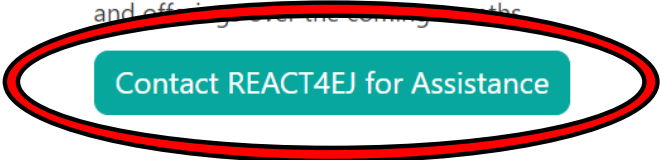
Resource for **A**ssistance and **C**ommunity **T**raining in **R**egion **4** on **E**nvironmental **J**ustice is the **T**echnical **A**ssistance center for **EPA's** **R**egion **4**. Through our network of state and national partners, we provide training and support to communities that are working towards **E**nvironmental **J**ustice.

Contact us



REACT4EJ is the EPA Region 4 *Environmental Justice Thriving Communities Technical Assistance Center*. We look forward to providing Technical Assistance to communities across the Southeastern United States.

Please share your information using the contact form linked below, so we can reach out to you as we ramp up our activities and offerings over the coming months.

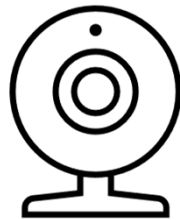


If preferred, you can also leave us a voicemail message at  866-309-4559. We will route your message to the appropriate team member and return your call as soon as possible.



Webinar Recordings

- SC EECBG Webinar Project Think Tank - Part 1
 - Available on the Energy Office EECBG webpage.
 - Agenda
 - Presentation
 - Recording
- This webinar will be available in the soon.



Additional Resources

- Visit our website for more information on SC EECBG and our FAQ Document (updated periodically).
- Email questions to energycs@ors.sc.gov.



[SC Energy Office EECBG Webpage](#)

Frequently Asked Questions

Frequently Asked Questions (FAQs)

- Are SC school districts eligible units of local government?
- Questions regarding multiple applications; multiple projects per application
- More to be addressed in FAQ

Menti Poll Question

- What additional questions do you have about the SC EECSBG application and guidance?

What's Next?

Please submit your **COMPLETE** application to the energycs@ors.sc.gov email.

**Deadline for applications is:
January 8, 2024**

ENERGY.SC.GOV

