

MEDICAL UNIVERSITY OF SOUTH CAROLINA

PROJECT NAME: MUSC/SCEO PEER Program Energy Performance
Contract 2016
REQUESTED ACTION: Establish Project
REQUESTED ACTION AMOUNT: \$675,000
INITIAL CHE APPROVAL DATE: N/A

<u>Source of Funds</u>	<u>Phase I (Pre-Design)</u>	<u>Phase II (Construction)</u>	<u>Total Proposed Budget</u>
Engineering and Facilities Operating Funds (Institutional Funds)	\$675,000	To Be Determined	\$675,000
Total	\$675,000	To Be Determined	\$675,000

DESCRIPTION:

The Medical University of South Carolina requests to begin Phase I for the MUSC/SCEO PEER Program Energy Performance Contract 2016. The University is participating in the South Carolina Energy Office’s PEER program, and is requesting to enter into a contract with AMERESCO of Charlotte, NC to perform an investment grade audit to identify potential energy savings measures in all the University’s buildings. AMERESCO was selected from a group of three applicants using the RFQ/RFP process in accordance with the SC Consolidated Procurement Code. The investment grade audit will identify potential energy conservation measures and the guaranteed yearly utility cost savings associated with each of those measures. Phase II project approval will then be requested to implement the measures identified in the investment grade audit that have a reasonable payback period from the guaranteed yearly utility cost savings.

Phase II of this project will be funded through the State Treasurer’s Office Master Lease Program, which will provide leasing arrangements for the financing of the energy conservation measures. The University will make lease payments from the savings achieved through lower utility costs.

E&G MAINTENANCE NEEDS:

The average building code rating is 66.8 for all non-auxiliary buildings.

ANNUAL OPERATING COSTS/SAVINGS:

There are additional annual operating savings as a result of this project. These savings will be quantified during Phase I and will be presented during the Phase II project approval request.

RECOMMENDATION:

Staff recommends approval of this project as proposed.

FOR DEPARTMENT USE ONLY	
CHE	_____
JBRC	_____
SFAA	_____
JBRC Staff	_____
ADMIN Staff	_____
A-1 Form Mailed	_____
SPIRS Date	_____
Summary	_____

(For Department Use Only)
SUMMARY NUMBER
FORM NUMBER

PERMANENT IMPROVEMENT PROJECT REQUEST

1. AGENCY Code H51 Name Medical University of South Carolina
 Contact Person Philip S. Mauney Phone 843-792-2490

2. PROJECT Project # _____ Name MUSC/SCEO PEER Program Energy Performance Contract 2016
 Facility # Various Facility Name Medical University of South Carolina Various Buildings

County Code	10 - Charleston
New/Revised Budget	\$675,000.00

Project Type	4 - Replace Existing Facilities/Systems
Facility Type	2 - Program/Academic

3. CPIP PROJECT APPROVAL FOR CURRENT FISCAL YEAR
 CPIP priority number _____ of _____ for FY _____.

4. PROJECT ACTION PROPOSED (Indicate all requested actions by checking the appropriate boxes.)

Establish Project	<input checked="" type="checkbox"/>	Decrease Budget	<input type="checkbox"/>	Close Project	<input type="checkbox"/>
Establish Project - GPIP	<input type="checkbox"/>	Change Source of Funds	<input type="checkbox"/>	Change Project Name	<input type="checkbox"/>
Increase Budget	<input type="checkbox"/>	Revise Scope	<input type="checkbox"/>	Cancel Project	<input type="checkbox"/>

5. PROJECT DESCRIPTION AND JUSTIFICATION
 (Explain and justify the project or revision, including what it is, why it is needed, and any alternatives considered. Attach supporting documentation/maps to fully convey the need for the request.)

MUSC is participating in the South Carolina Energy Office's PEER program. Consequently, MUSC is requesting phase I project approval to enter into a contract with AMERESCO Inc. of Charlotte NC to perform an investment grade audit to identify potential energy savings measures in all MUSC buildings. AMERESCO was selected from a group of three applicants using the RFQ/RFP process in accordance with the SC Consolidated Procurement Code. The investment grade audit will identify potential energy conservation measures and the guaranteed yearly utility cost savings associated with each of those measures. Phase 2 project approval will then be requested to implement the measures identified in the investment grade audit that have a reasonable payback period from the guaranteed yearly utility cost savings.

6. OPERATING COSTS IMPLICATIONS
 Attach Form A-49 if any additional operating costs or savings will result from this request. This includes costs to be absorbed with current funding.

7. ESTIMATED PROJECT SCHEDULE AND EXPENDITURES
 Estimated Start Date: November 2016 Estimated Completion Date: June 2017
 Estimated Expenditures: Thru Current FY: \$675,000.00 After Current FY: _____

8. ESTIMATES OF NEW/REVISED PROJECT COSTS

PROJECT #	
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- 1. _____ Land Purchase ---->
- 2. _____ Building Purchase ---->
- 3. 675,000.00 Professional Services Fees
- 4. _____ Equipment and/or Materials ---->
- 5. _____ Site Development
- 6. _____ New Construction ---->
- 7. _____ Renovations - Building Interior ---->
- 8. _____ Renovations - Utilities
- 9. _____ Roofing - _____ Roof Age
- 10. _____ Renovations - Building Exterior
- 11. _____ Other Permanent Improvements
- 12. _____ Landscaping
- 13. _____ Builders Risk Insurance
- 14. _____ Other Capital Outlay
- 15. _____ Labor Costs
- 16. _____ Bond Issue Costs
- 17. _____ Other: _____
- 18. _____ Contingency

Land: _____ Acres
 Floor Space: _____ Gross Square Feet
 Information Technology _____
 Floor Space: _____ Gross Square Feet
 Floor Space: _____ Gross Square Feet

\$675,000.00 TOTAL PROJECT BUDGET

ENVIRONMENTAL HAZARDS	
Identify all types of significant environmental hazards (including asbestos, PCB's, etc.) present in the project and the financial impact they will have on the project.	
Type:	_____
Cost Breakdown	
Design Services	\$ _____
Monitoring	\$ _____
Abate/Remed	\$ _____
Total Costs	\$ _____ 0.00

9. PROPOSED SOURCE OF FUNDING

Source	Previously Approved Amount	Increase/Decrease	Original/Revised Budget	Transfer to/from Proj. #	Rev Object Code	Treasurer's ID Number	Rev Sub Fund	Exp Sub Fund
(0) CIB, Group			0.00 0.00		8115		3043	3043
(1) Dept. CIB, Group			0.00 0.00		8115		3143	3143
(2) Institution Bonds			0.00 0.00					3235
(3) Revenue Bonds			0.00 0.00					3393
(4) Excess Debt Service			0.00 0.00					3497
(5) Capital Reserve Fund			0.00 0.00		8895		3603	3603
(6) Appropriated State			0.00 0.00		8895	68800100	1001	3600
(7) Federal			0.00 0.00			78800100		5787
(8) Athletic			0.00 0.00			88800100		3807
(9) Other (Specify) E & F Operating Funds	0.00	675,000.00	675,000.00 0.00 0.00		7201	98800100	3035	3907
TOTAL BUDGET	\$0.00	\$675,000.00	\$675,000.00					

10. SUBMITTED BY: *Jose Edwan*
 Signature of Authorized Official and Title

September 13, 2016
 Date

11. APPROVED BY:
 (For Department Use Only) _____
 Authorized Signature and Title

 Date

**ADDITIONAL ANNUAL OPERATING COSTS / SAVINGS
RESULTING FROM PERMANENT IMPROVEMENT PROJECT**

1. AGENCY Code H51 Name Medical University of South Carolina

2. PROJECT Project # _____ Name MUSC/SCEO PEER Program Energy Performance Contract 2016

3. ADDITIONAL ANNUAL OPERATING COSTS / SAVINGS. (Check whether reporting costs or savings.)

COSTS SAVINGS NO CHANGE

4.

TOTAL ADDITIONAL OPERATING COSTS / SAVINGS				
Projected Financing Sources				
(1)	(2)	(3)	(4)	(5)
Fiscal Year	General Funds	Federal	Other	Total
1)	\$	\$	\$	\$ 0.00
2)	\$	\$	\$	\$ 0.00
3)	\$	\$	\$	\$ 0.00

5. If "Other" sources are reported in Column 4 above, itemize and specify what the other sources are (revenues, fees, etc.).

6. Will the additional costs be absorbed into your existing budget? YES NO
If no, how will additional funds be provided?

7. Itemize below the cost factors that contribute to the total costs or savings reported above in Column 5 for the first fiscal year.

	<u>COST FACTORS</u>	<u>AMOUNT</u>
1.	_____	_____
2.	_____	_____
3.	_____	_____
4.	_____	_____
5.	_____	_____
6.	_____	_____
7.	_____	_____
8.	_____	_____
	TOTAL	\$0.00

8. If personal services costs or savings are reported in 7 above, please indicate the number of additional positions required or positions saved. _____

9. Submitted By: *Juan Edwards* 9-13-16
Signature of Authorized Official and Title Date

**PERMANENT IMPROVEMENT PROJECT INFORMATION FORMAT
FOR PHASE I A&E PRE-DESIGN PROJECTS**

1. What is the internal projected cost of the project?

Based on the RFP we had for vendor selection a 12-year Energy Savings Performance Contract (ESPC) - \$85,000,000 or 15-year ESPC - \$115,000,000

2. What is/are the source(s) of funds to be used for A&E pre-design?

Engineering & Facilities Operating Funds

3. What is your agency/institution's definition of the source(s) of funds used for the A&E pre-design?
(Please be specific for each source and if there is a statutory authority authorizing the use of the funds for capital projects for the source, please cite the code section. If a source includes any type of fee, what is the fee called, what is the fee amount and when was it put in place?)

Engineering & Facilities Operating Funds – The approved FY 17 Operations Budget includes funding to be used for Architectural and Engineering Fees on an as needed basis.

4. What is the current fund balance of uncommitted funds in the source of funds for A&E pre-design?

There are no uncommitted funds. All funds were committed during the FY17 budget process.

5. What is the source(s) of funds to be used for construction?

State Treasurer's Office Master Lease Program

6. What is your agency/institution's definition of the source(s) of funds to be used for construction?
(Please be specific for each if different from those in 3 above. If there is statutory authority authorizing the use of the funds for capital project, please cite the code section and if a source includes a fee, what is the fee called, what is the fee amount and when was it put in place?)

State Treasurer's Office Master Lease Program

7. What is the current fund balance of uncommitted funds in each source to be used for construction?

Financing to match the final determined scope of work and cost to be procured through the State Treasurer's Office.

8. Will the use of any funds for A&E pre-design or for construction require an increase in any student fee or tuition?

No

9. If the use of any funds for A&E pre-design or construction will require any student fee or tuition increase, please explain and include the amount of the fees annually or by semester, what the fee is called and when it was put in place.

No increase

10. What is the total square footage of the building to be renovated or constructed?

See attached list of buildings

11. If a portion of the building is to be renovated, what is the square footage of the portion that will be included in the renovation?

The renovations to the above existing buildings are anticipated to include some areas in all of the buildings totaling 6,818,090 square feet.

12. What program(s) will use the space to be renovated/constructed?

The energy performance contract will impact every building on MUSC's campus. Therefore all education, clinical, and research programs at MUSC will use the renovated space.

13. What is the current age of the building to be renovated?

See attached list of buildings

14. What is the current age of the building system(s) to be renovated or replaced?

The age of initial construction of each building is listed in the table attached. Systems being renovated within the building vary with age but are either operating past the anticipated useful life or can be modified or replaced with more cost effective alternatives.

15. If any new space is being added to the facility, please provide demand/usage data to support the need.

No new space is being added to the facilities with the energy savings performance contract scope of work.

16. If the A&E pre-design request is above 1.5% of the internal estimated cost of the project, what is the reason the amount exceeds 1.5%?

Not applicable

17. What are the estimated numbers of students, faculty, staff and/or clients that are expected to use the space affected by the project or for the entire building? (Answer for as many as are applicable.)

The energy performance contract will impact also every building on MUSC's campus. Therefore almost all students, faculty, staff, and patients utilize the space that will be renovated.

18. Has the project been included in a previous year's CPIP? If so, what was the last year the project was included and for which year, 1-5?

No. This was initiated via SCEO PEER program.

19. What are the economic impacts of the project, including job creation and retention? If there are none, please explain.

The energy savings performance contract project will help retain and create jobs in the local engineering design and construction industry.

20. How will your agency/institution address and fund maintenance of this facility construction/renovation?

The buildings and systems included in the energy savings performance contract will continue to be maintained by existing personnel and maintenance agreements as the maintenance requirements are similar to those of the existing buildings and systems.

21. If your agency/institution has a deferred maintenance account, what is the name of the account and what is its current uncommitted balance?

Yes the name of the account is "Investment Fund - Deferred Maintenance." All funds in the account were committed to deferred maintenance projects during the FY17 budget process.

22. If how maintenance will be addressed and funded for this facility construction/renovation has not been determined yet, what steps are in place to begin to address how your agency/institution will fund maintenance to this and other agency/institution facilities?

Not applicable

Building Square Footage List

Bldg Ident	Bldg Name	Gross Area
105	E BUILDING	47,248
106	F BUILDING	33,271
107	BARUCH AUDITORIUM	5,203
108	WALTON RESEARCH BUILDING	56,993
112	COLLEGE OF NURSING	55,276
113	ALUMNI MEMORIAL HOUSE	30,043
120	COLCOCK HALL	11,546
121	WARING HISTORICAL LIBRARY	2,209
129	56 COURTENAY DRIVE	4,574
130	COURTENAY DRIVE GARAGE	555,754
132	ST. LUKE S CHAPEL	4,615
135	SEBRING AIMAR HOUSE	5,593
137	139 ASHLEY AVENUE	2,135
145	57 BEE STREET	2,742
148	135 CANNON ST. (CANNON PLACE)	80,253
162	JONATHAN LUCAS ST GRGE (PGI)	190,733
163	PRESIDENT STREET GARAGE (PGII)	397,430
169	PSYCH ANNEX	4,002
197	4295 ARCO LANE WAREHOUSE	75,620
230	21 EHRHARDT STREET	3,734
231	23 EHRHARDT STREET	3,734
232	25 EHRHARDT STREET	2,403
233	VINCE MOSELEY BUILDING	6,984
236	20 EHRHARDT STREET	7,962
238	274 CALHOUN ST-ANDERSON HOUSE	6,724
239	276 A & B CALHOUN STREET	2,483
240	272 CALHOUN STREET	1,531
241	PAINT SHOP	1,349
245	28 EHRHARDT STREET	2,242
246	17 EHRHARDT ST	13,769
263	HARBORVIEW OFC TWR GRGE PGIV	203,148
271	30 BEE STREET	19,151
284	52 COURTENAY DRIVE	2,319
300	UNIVERSITY HOSPITAL	575,827
325	CENTRAL ENERGY PLANT	57,302
330	BEE ST. PARKING GARAGE PGVII	601,667
334	DRUG DISCOVERY BUILDING	115,096
335	55 BEE STREET	2,841

Bldg Ident	Bldg Name	Gross Area
339	BIOENGINEERING BUILDING	96,941
400	COLBERT EDU CENTER AND LIBRARY	124,831
450	25 1/2 EHRHARDT ST. GRNDS SHOP	1,568
500	BASIC SCIENCE BUILDING	332,696
515	DARBY CHILDREN S RESEARCH INST	121,554
520	BSB MECHANICAL EXPANSION BLDG	9,991
525	DENTAL CLINICS BUILDING	121,201
550	RUTLEDGE TOWER BUILDING	376,244
570	RUTLEDGE TOWER GARAGE (PGIII)	284,044
580	RUTLEDGE TOWER PHYSICAL PLANT	18,970
590	RUTLEDGE TOWER ANNEX	31,968
600	CLINICAL SCIENCES BUILDING	269,881
650	STORM EYE INSTITUTE	95,356
700	COLL OF HLTH PROF RESRCH BLDG	28,354
701	45 BEE STREET	3,774
750	PSYCHIATRIC INSTITUTE	62,299
770	THURMOND/GAZES RESEARCH BLDG	194,365
810	HARBORVIEW OFFICE TOWER BLDG	179,687
830	PUBLIC SAFETY BUILDING	12,251
850	PSYCHIATRIC HOSPITAL	134,240
900	CHILDREN S HOSPITAL	347,697
912	51 BEE STREET	1,289
917	59 BEE STREET	2,391
925	HOLLINGS CANCER CENTER	214,050
950	COLL OF HLTH PROF COMPLEX "A"	39,299
951	COLL OF HLTH PROF COMPLEX "B"	45,120
952	ASHLEY-RUTLEDGE GARAGE - PGVI	301,808
975	HARPER STUDENT/WELLNESS CNTR	168,310
976	49 BEE STREET	2,405
TOTAL		6,818,090

Building Age List

Bldg Ident	Bldg Name	Construction Year
105	E BUILDING	1939
106	F BUILDING	1952
107	BARUCH AUDITORIUM	1941
108	WALTON RESEARCH BUILDING	1962
112	COLLEGE OF NURSING	1956
113	ALUMNI MEMORIAL HOUSE	1954
120	COLCOCK HALL	1861
121	WARING HISTORICAL LIBRARY	1893
129	56 COURTENAY DRIVE	1960
130	COURTENAY DRIVE GARAGE	1993
132	ST. LUKE S CHAPEL	1815
135	SEBRING AIMAR HOUSE	1838
137	139 ASHLEY AVENUE	1840
145	57 BEE STREET	1976
148	135 CANNON ST. (CANNON PLACE)	2001
162	JONATHAN LUCAS ST GRGE (PGI)	1972
163	PRESIDENT STREET GARAGE (PGII)	1988
169	PSYCH ANNEX	1950
197	4295 ARCO LANE WAREHOUSE	1982
230	21 EHRHARDT STREET	1962
231	23 EHRHARDT STREET	1962
232	25 EHRHARDT STREET	1962
233	VINCE MOSELEY BUILDING	1966
236	20 EHRHARDT STREET	1964
238	274 CALHOUN ST-ANDERSON HOUSE	1802
239	276 A & B CALHOUN STREET	1802
240	272 CALHOUN STREET	1945
241	PAINT SHOP	1985
245	28 EHRHARDT STREET	1960
246	17 EHRHARDT ST	1980
263	HARBORVIEW OFC TWR GRGE PGIV	1979
271	30 BEE STREET	1976
284	52 COURTENAY DRIVE	1993
300	UNIVERSITY HOSPITAL	1954
325	CENTRAL ENERGY PLANT	2006
330	BEE ST. PARKING GARAGE PGVII	2008
334	DRUG DISCOVERY BUILDING	2011
335	55 BEE STREET	1969

Bldg Ident	Bldg Name	Construction Year
339	BIOENGINEERING BUILDING	2011
400	COLBERT EDU CENTER AND LIBRARY	1971
450	25 1/2 EHRHARDT ST. GRNDS SHOP	1995
500	BASIC SCIENCE BUILDING	1970
515	DARBY CHILDREN S RESEARCH INST	2004
520	BSB MECHANICAL EXPANSION BLDG	2004
525	DENTAL CLINICS BUILDING	2009
550	RUTLEDGE TOWER BUILDING	1926
570	RUTLEDGE TOWER GARAGE (PGIII)	1984
580	RUTLEDGE TOWER PHYSICAL PLANT	1980
590	RUTLEDGE TOWER ANNEX	1949
600	CLINICAL SCIENCES BUILDING	1975
650	STORM EYE INSTITUTE	1975
700	COLL OF HLTH PROF RESRCH BLDG	1976
701	45 BEE STREET	1915
750	PSYCHIATRIC INSTITUTE	1977
770	THURMOND/GAZES RESEARCH BLDG	1996
810	HARBORVIEW OFFICE TOWER BLDG	1979
830	PUBLIC SAFETY BUILDING	1972
850	PSYCHIATRIC HOSPITAL	1988
900	CHILDREN S HOSPITAL	1987
912	51 BEE STREET	1940
917	59 BEE STREET	1961
925	HOLLINGS CANCER CENTER	1993
950	COLL OF HLTH PROF COMPLEX "A"	1921
951	COLL OF HLTH PROF COMPLEX "B"	2005
952	ASHLEY-RUTLEDGE GARAGE - PGVI	2005
975	HARPER STUDENT/WELLNESS CNTR	1993
976	49 BEE STREET	1915



Commerce and Industry

Energy Data Reports & Other Information

Energy Education

Loans, Grants & Tax Incentives

Public Institutions & Local Governments

Local Government Energy Use Planning

Performance Contracting

Water Audit Requirement

Radioactive Waste Disposal Program

Renewable Energy

Residential

Transportation

Utilities

SCEO PARTNER PROGRAMS

ASCEM

Atlantic Compact Commission

Palmetto Clean Energy (PaCE)

Palmetto State Clean Fuels Coalition (PSCFC)

INSPECTOR GENERAL'S FRAUD HOTLINE
 (State Agency Fraud Only)
1-855-SCFRAUD
 or
1-855-723-7283

Home > Public Institutions & Local Governments > Performance Contracting

Public Institutions & Local Governments

Performance Contracting

An **Energy Performance Contract (EPC)** allows a building owner to identify and complete energy savings projects without having to pay upfront capital costs. EPCs begin when the building owner enters into an agreement with a private energy services company, usually called an ESCO. An ESCO is a business that identifies, evaluates, recommends, develops, installs, and arranges financing for projects that are designed to improve the energy and water efficiency and reduce maintenance costs for a facility. The ESCO conducts a comprehensive energy audit for the facility and identifies improvements to save energy. In consultation with the agency, the ESCO designs and constructs a project that meets the agency's needs and arranges the necessary funding. The ESCO will guarantee that savings meet or exceed annual payments to cover most or all of the project costs over the term of the contract. If the energy savings don't materialize, the ESCO pays the difference, not the building owner. After the contract ends, all additional cost savings accrue to the building owner.

The Energy Office does not endorse any specific contractor. For more information on performance contracting, visit the National Association of Energy Service Companies (NAESCO).

Related Links / Files

- [Performance Contracting Workshop 05.04.2016](#)
- [Performance Contracting Workshop 02.20.2014](#)
- [Performance Contracting Flow Chart](#)
- [DOE Qualified Energy Service Companies](#)
- [Performance Contracting Documents](#)



Commerce and Industry

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SCO PARTNER PROGRAMS

ASCEM

Atlantic Compact Commission

Palmetto Clean Energy (PaCE)

Palmetto State Clean Fuels Coalition (PSCFC)

**INSPECTOR GENERAL'S
FRAUD HOTLINE**
(State Agency Fraud Only)
1-855-SCFRAUD
or
1-855-723-7283

[Home](#) > [Loans, Grants & Tax Incentives](#) > [Grants](#)

Loans, Grants & Tax Incentives

Grants

Note: In order to apply for Energy Office grants, you will need to have a DUNS number and a SAM number, required for entities receiving federal funds. For information on how to create a user account in SAM (System for Award Management) please click [here](#). For information on how to obtain a DUNS number, click [here](#).

Palmetto Energy Efficient Retrofits (PEER)

Palmetto Energy Efficient Retrofits (PEER) is a new program, funded through a grant from the US Department of Energy, which allows state agencies, public K-12 schools and public colleges and universities to request assistance determining their energy efficiency needs and exploring funding options. Participants will work with the Energy Office to determine what assistance is needed to reduce energy consumption, with options ranging from a level-one energy assessment of their building(s) to help evaluating project funding options and preparing the necessary documents for a ConserFund loan or a performance contract. If your agency/school might be interested in participating, please [click here](#) and fill out our interest form.

Mini-Grants

South Carolina Office of Regulatory Staff, Energy Office, typically announces the availability of \$5,000 (maximum) mini-grants in August.

Eligible applicants include state agencies, local governments, public colleges/ universities/technical colleges, K-12 public schools and 501(c) (3) non-profit organizations. The maximum award value is \$5,000. Cost sharing is not required but leveraging of funds is encouraged in order to maximize the energy-related benefits of a project.

Applications will be due by close-of-business on **September 23, 2016** and approved projects must be completed by **May 18, 2017**.

Forms available for Mini-Grants:

[Download the Mini-Grant Solicitation document](#)
[Download the Mini-Grant Application document](#)
[Download the DUNS/SAM Form](#)
[Download the US DOE Terms and Conditions and NEPA Matrix](#)

South Carolina Diesel Emissions Reduction Act (DERA) Grants

Diesel emissions make up a significant portion of the mobile source air pollution in South Carolina. The U.S. Environmental Protection Agency (EPA) administers four components of the DERA grants through its National Clean Diesel Campaign:

- The National Clean Diesel Funding Assistance Program awards competitive grants to fund projects that implement EPA or CARB verified and certified diesel emission reduction technologies.
- The National Clean Diesel Emerging Technologies Program awards competitive grants for projects that spur innovation in reducing diesel emissions through the use, development and commercialization of emerging technologies. Up to 10 percent of the national funds may be spent on emerging technologies.
- SmartWay Clean Diesel Finance Program issues competitive grants to establish national low-cost revolving loans or other innovative financing programs that help fleets reduce diesel emissions.
- State Clean Diesel Grant Program funded through DERA has provided an opportunity to help reduce diesel emissions. The federal funding for the State Clean Diesel Grant Program funds projects that provide cost-effective diesel emission reduction strategies. This funding is intended for county, city, or other local government entities, private organizations, businesses, and universities. Grants are awarded to eligible applicants for implementation of diesel emission reduction projects across the state to achieve public health and air quality goals. Currently all 50 States and the District of Columbia are participating.

Please visit the [Southeast Diesel Collaborative's](#) website for more information on these grant opportunities and clean diesel strategies. This group is a partnership between leaders from federal, state and local government, the private sector and other stakeholders in Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina and Tennessee.

For more information, contact Brian Barnes at the South Carolina Department of Health and Environmental Control by phone at (803) 898-7099

USDA Rural Energy for America Program

The Rural Energy for America Program (REAP) provides financial assistance to agricultural producers and rural small businesses in rural America to purchase, install, and construct renewable energy systems; make energy efficiency improvements to non-residential buildings and facilities; use renewable technologies that reduce energy consumption; and participate in energy audits and renewable energy development assistance.

The REAP program is comprised of the following components:

The Renewable Energy System and Energy Efficiency Improvement Guaranteed Loan and Grant Program provides financial assistance to agricultural producers and rural small businesses to purchase, install, and construct renewable energy systems; make energy efficiency improvements; use renewable technologies that reduce energy consumption; and participate in energy audits, renewable energy development assistance, and feasibility studies. [Read more](#)

The Energy Audit and Renewable Energy Development Assistance Grant Program provides grant assistance to entities that will assist agriculture producers and rural small businesses by conducting energy audits and providing information on renewable energy development assistance. [Read more](#)