

FY15 Annual Progress Report

To be submitted to the Office of Regulatory Staff, Energy Office
State Government Energy Conservation Act, Code of Laws of South Carolina

Organization Name:

SCDA Lab and Consumer Services Building

Person(s) Filing Report (name, phone number, email):

Derek M. Underwood 803-737-9700 dunder@scda.sc.gov

Please complete this report and return it to Julia Parris at the Office of Regulatory Staff, Energy Office (jparris@regstaff.sc.gov) no later than September 1, 2015. Sections I, III, IV, and V may be completed using either this form or a different format of your choosing. Completion of Section II requires the submission of energy consumption data, as described below.

This report will allow the Energy Office to verify your compliance with the State Government Energy Conservation Act (§48-52-610 through 680 and §48-52-910, Code of Laws of South Carolina). In addition, the energy consumption data you provide will be made available to assist in statewide energy planning efforts. Please ensure that your submission is as complete and accurate as possible. If you need additional space, please attach pages or documents as necessary. If you have questions, please contact Julia Parris at 803-737-8030 or jparris@regstaff.sc.gov.

Section I: Energy Conservation Measures

§48-52-820 requires entities to report activities undertaken to implement their Energy Conservation Plan. For this section, please list each energy conservation measure that you implemented in FY15. For each measure, please include the following:

1. A description of the energy conservation measure implemented including an estimate of square footage affected.
2. The estimated and/or observed annual energy savings (if available) and estimation method (if applicable.).

If you implemented no energy conservation measures in FY15, simply write "None."

We have secured a new service contract with TRANE HVAC Maintenance Company with 24 hour off site monitoring. This monitoring and energy saving techniques and maintenance will lower our overall energy use. We also engaged with SCE&G and changed our rate plan from rate 9 to rate 22. This change will lower energy cost at the Lab.

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Section IV: Energy Retrofit Financing

Did you enter into a performance contract in Fiscal Year 2015? Yes or No (Circle one)

If so, please indicate the Energy Services Company or company used:

Have you used a performance contract in prior years? Yes or No (Circle one)

If so, please indicate the ESCO or company used:

Are you interested in receiving information about the ConserFund loan program, ConserFund Plus (an expansion of ConserFund that includes a 30% grant/70% loan option) and/or performance contracting? Yes No (Circle one)

Section V: Energy Plan Update & Success Stories

Energy Plan Updates

- A. *You submitted an Energy Conservation Plan, required by law, to the Energy Office in 2009; if you have significantly revised your Plan please send a copy for our files to jparris@regstaff.sc.gov.*
- B. *If you have not made significant revisions to your Plan, but have only refined it, please provide a brief write-up addressing any changes that may have occurred since submission of your Plan in 2009. Please include energy team training and education. In addition, please let us know about any successes deserving mention, or barriers to improvement that you have faced. We want to publicize your successes and assist with obstacles where we can.*

The new HVAC maintenance company provides monthly alarm status, energy usage, trends, cost saving suggestions and temperature monitoring. Engaging with SCE&G we are also planning to install energy efficient lighting and equipment.

Energy Use and Cost Annual Summary

Organization Name	SCDA	Fiscal Year:	2015
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Item Number	Energy Measure	Amount	Unit
4	Conditioned area	21,000	ft ²
5	Energy use applied to conditioned space	12,412,588	kBTU
6	Energy use per conditioned square foot	591	kBtu/ft. ²
7	Cost of energy applied to conditioned space	\$ 313,097	\$
8	Energy cost per conditioned square foot	\$ 14.91	\$/ft. ²
9	Total electricity consumed	6,077,564	kBtu
10	Total cost electricity	\$ 253,315	\$
11	Cost of electricity per kBTU	\$ 0.042	\$/kBTU
12	Total natural gas consumed	6,445,000	kBtu
13	Total cost of natural gas	\$ 70,722	
14	Cost of natural gas per kBTU	\$ 0.011	\$/kBTU
15	Total propane consumed	-	kBtu
16	Total cost of propane	\$ -	
17	Cost of propane per kBTU	#DIV/0!	\$/kBTU
18	Total fuel oil consumed	-	kBtu
19	Total cost of fuel oil	\$0	\$
20	Cost of fuel oil per kBTU	#DIV/0!	\$/kBTU
21	Total coal consumed	-	kBtu
22	Total cost of coal	\$0	\$
23	Cost of coal per kBTU	#DIV/0!	\$/kBTU

