

# ANNUAL REPORT 2022



Annual Report on the Implementation of  
State Government Energy Conservation

# Annual Report on the Implementation of State Government Energy Conservation

December 2022

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## Energy Office

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**ENERGY.SC.GOV**

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# Executive Summary

The South Carolina Office of Regulatory Staff – Energy Office (Energy Office) presents this Annual Report on the Implementation of State Government Energy Conservation to the South Carolina General Assembly (General Assembly). The performance period for this report is Fiscal Year 2022 (FY 2022).

## Background:

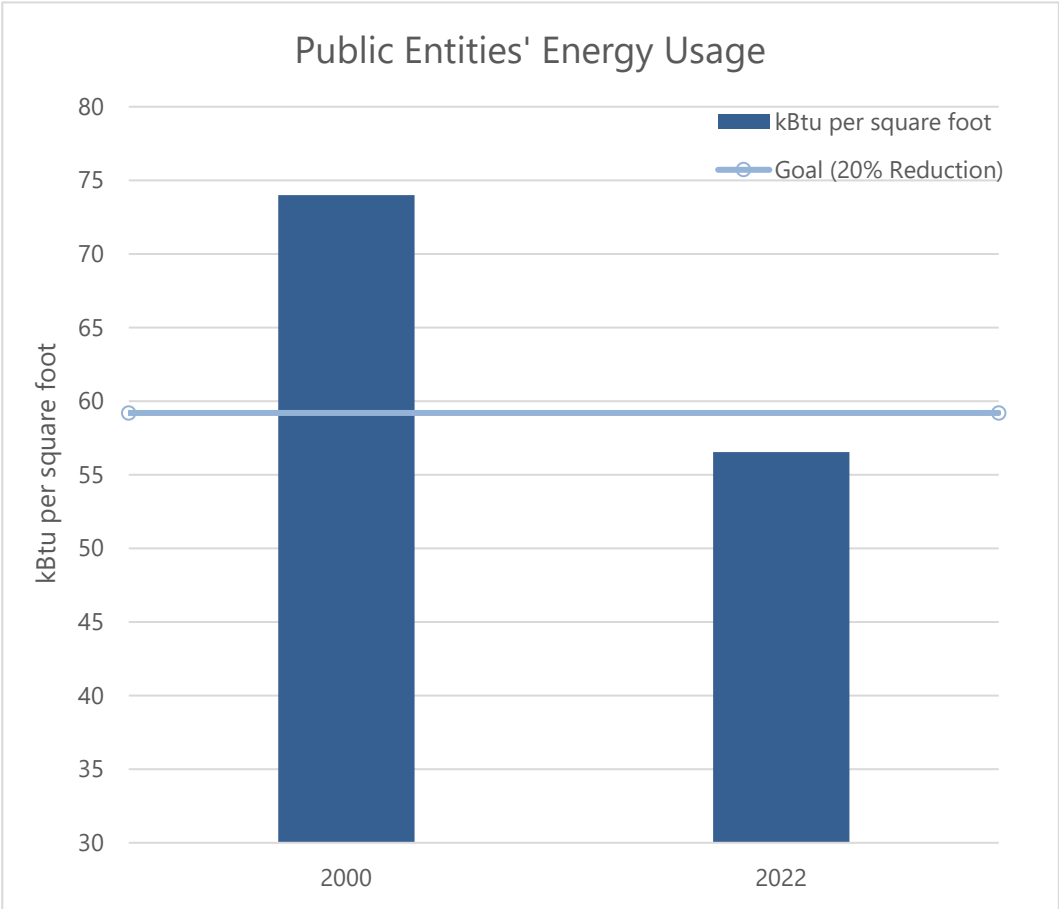
Section 48-52-620 of the South Carolina Code of Laws required state agencies, public school districts, and public colleges and universities (public entities) to develop energy conservation plans and work to reduce their energy consumption by 20% by 2020, as compared to 2000 levels. The Energy Office was tasked with collecting each public entity's annual report and tracking their progress towards the 20% energy usage reduction goal. While this initiative has successfully concluded with the state having collectively reached the energy usage reduction goal, the Energy Office has continued to collect energy data and progress reports from the public entities. To achieve further reductions in energy consumption by the state and assist public entities that have not met the 20% reduction goal, the Energy Office also continues to provide ongoing training, workshops, and technical assistance, and makes available low-interest loans for energy efficiency projects.

## Findings:

Data submitted for FY 2022 indicates that, compared to the Fiscal Year 2000 baseline, public entities reduced their energy use per square foot by 24% and energy spending per square foot by 23%. Collectively, public entities have achieved the 20% goal mandated by the General Assembly. (Note: an entity reaching the 20% reduction goal does not preclude their energy use from rising again.)

Public Entities by Type	Average Energy Use per Square Foot (site kBtu)			Average Energy Spending per Square Foot (\$)		
	FY 2000	FY 2022	% change	FY 2000	FY 2022	% change
State Agencies	113	76.64	-32%	\$2.31	\$1.82	-21%
Residential Colleges and Universities	143	112.87	-21%	\$2.25	\$1.92	-15%
Non-Residential Colleges and Universities	80	63.84	-20%	\$2.01	\$1.54	-23%
School Districts	45	35.40	-21%	\$1.46	\$1.10	-25%
<b>Overall</b>	<b>74</b>	<b>56.55</b>	<b>-24%</b>	<b>\$1.77</b>	<b>\$1.36</b>	<b>-23%</b>

Note: These statistics are based on self-reported data submitted by public entities. The Energy Office makes no representation regarding the accuracy of these data.



Overall, the state’s agencies, public school districts, and public colleges and universities have done an excellent job of reducing energy use. As a group, they have achieved the mandated goal and have continued in their efforts to reduce their energy consumption despite the conclusion of the goal period.

# Background

The State Energy Office (Energy Office) was established by the South Carolina Energy Efficiency Act of 1992 to serve as the principal energy-planning entity for the state. The mission of the Energy Office is to advance South Carolina’s energy strategy and policy through education and outreach. The Energy Office is funded by the US Department of Energy’s State Energy Program.

Following the South Carolina Restructuring Act of 2014, the Energy Office is housed within the Office of Regulatory Staff. This reorganization has not altered the legislatively mandated duties of the Energy Office.

Section 48-52-620 of the South Carolina Code of Laws required affected state agencies, public school districts, and public colleges and universities (public entities) to develop energy conservation plans and work to reduce their energy consumption by 20% by 2020, as compared to 2000 levels. While the initiative has successfully concluded, public entities continue to submit annual energy conservation reports to the Energy Office. The reports consist of data showing energy use and cost per square foot and a narrative that outlines actions taken to implement the public entity’s energy conservation plan. It also chronicles progress made in achieving the entity’s energy use goals (see Section III for more detail). Section 48-52-620(E) required the Energy Office to compile this information and report it to the South Carolina General Assembly (General Assembly) by December 31 of each year.

To ensure the development of a fair and equitable methodology for implementing this legislative requirement, the Energy Office established an advisory group in 2008. The group consisted of representatives from a variety of state agencies, school districts, and public colleges and universities – all of which were affected by the legislative mandate. The composition of this group reflected the diversity of public entities affected by this legislation, both in size and type of institution.

Based on the advisory group’s recommendations, the Energy Office offered four energy-plan development workshops around the state. Over 140 individuals participated in these workshops; participants represented 20 state agencies, 49 school districts, and 17 public colleges and universities. After concluding the workshops, Energy Office staff developed a sample energy conservation plan template that was provided to all public entities and remains available on the Energy Office website as a guide.

In October 2019, the Energy Office launched the South Carolina Energy Efficiency Roadmap initiative. Facilitated by the Duke University Nicholas Institute, the initiative brought stakeholders together to review the remaining energy efficiency recommendations from the 2016 Energy Plan

and reassess them according to current priorities, as well as to identify new opportunities and develop next steps. Guided by an advisory committee, six working groups were formed to focus in on different areas. One of these groups focused on non-profit and public entities, and in consideration of the conclusion of the 20% by 2020 performance period, one of their resulting recommendations was to propose new legislation to re-establish the state's energy conservation goals for public entities. The successor goal proposed by the stakeholders involved in this initiative would require state agencies, public colleges and universities, and public-school districts to (1) develop a new energy conservation plan and (2) reduce their energy consumption by 10% by 2030, as compared to 2015 levels. As of the writing of this report, no new legislation pertaining to state government energy conservation has been pursued.

# Activities in Support of Implementation

Section 48-52-620(E) required the Energy Office to provide the technical assistance necessary for state agencies and school districts to satisfy the requirements of the law. In addition to the energy plan development workshops noted above, the Energy Office has provided the following:

## Training

In 2009, the Energy Office and the Association of South Carolina Energy Managers created a state-specific alternative to the national Certified Energy Manager® training: the Accredited Commercial Energy Manager (ACEM) training. The primary purpose of this training is to educate facility and energy managers as they work to reduce energy consumption in support of the legislative requirements. The course teaches participants to identify projects that can reduce their energy consumption and how to calculate their projected energy savings.

Since 2009, a total of 21 ACEM training classes have been held, most recently in November 2021. A total of 376 individuals have received this extensive energy-management training. The pass rate for the course averages approximately 79%, with those passing the test receiving the ACEM certification. At the time of writing this report, the 22<sup>nd</sup> ACEM training class is scheduled to take place in early December 2022.

In Fiscal Year 2022 (FY 2022), the Energy Office also facilitated two courses offered by other organizations. In response to increased interest in solar energy and electric vehicles, the Energy Office held a Carolina Solar & Clean Energy Fundamentals Workshop facilitated by the North Carolina Clean Energy Technology Center. The four-day course included sessions on renewable energy technology, battery storage, and electric vehicles and charging infrastructure, as well as policy considerations, utility roles, and finance options for solar and clean energy. The course was also recorded, and an on-demand offering was later made available.

The Energy Office also facilitated the Boiler Efficiency Institute's two-day HVAC improvement course, which instructs attendees on identifying and implementing cost-saving measures related to HVAC equipment and operations.

## Assistance to Agencies

The Energy Office works with public entities requesting assistance with energy use reporting requirements and often devotes considerable effort to identifying and correcting reporting errors. The Energy Office invites public entities to report using the mechanism most convenient for them, which can range from elaborate facility and energy management software to a simple Excel-format reporting spreadsheet developed by the Energy Office. To improve tracking and reporting, assistance is available to help public entities import their data into Portfolio Manager, a free online tool offered by the United States Environmental Protection Agency. The program not only helps



with long-term benchmarking but also allows users to apply for ENERGY STAR® designations for individual buildings.

In addition, the Energy Office – through its Energy Technical Assistance Program – provides free energy assessments for facilities owned by state and local governments as well as other entities. These walk-through assessments help to identify cost-effective energy conservation measures and set priorities for action. While in the previous fiscal year the Energy Office had to put a temporary pause on providing energy assessments due to the COVID-19 pandemic, they have since reopened the Energy Technical Assistance Program for applications. More information on Energy Technical Assistance may be found at [www.ENERGY.SC.GOV/Public](http://www.ENERGY.SC.GOV/Public).

In July 2020, the Energy Office also launched its Energy Saver Tool, which enables both commercial and residential end users to find energy-saving programs that may be available to them. By inputting certain information including their end use, utility provider, and county, the tool will provide a list of applicable grants, loans, rebates, tax incentives, and other programs that may be available from various sources. These results can be easily printed or saved, and the website also offers tips on how to save energy. The Energy Saver Tool can be found at [www.EnergySaver.SC.GOV](http://www.EnergySaver.SC.GOV).



## ConserFund

Funding assistance for energy efficiency improvements is available through the ConserFund low-interest loan program. Loans are available to state agencies, public colleges and universities, school districts, local governments, and private non-profit organizations. Loans have a fixed annual interest rate currently set at 1.5%, and the program is structured so that the cost savings resulting from the energy efficiency upgrades can be used to repay the loan. More information on ConserFund may be found at [www.ENERGY.SC.GOV/Incentives/Conserfund](http://www.ENERGY.SC.GOV/Incentives/Conserfund).

ConserFund Plus is a variation of the standard ConserFund loan, offering funding as a 70% loan and a 30% grant, and is only available to state agencies, public colleges and universities, and public K-12 schools. Due to the popularity of the program, as of August 2019, all available funds have been disbursed, so these funds are temporarily unavailable. However, these funds will become available again as loans are repaid.

## Milestone Recognition Awards

The Energy Office provides tangible recognition for those public entities that have met their mandated 20% reduction in energy intensity since the year 2000. The following entities were issued awards after completion of the Fiscal Year 2021 report, based on having two or more consecutive years of meeting the 20% reduction goal:



Dorchester School District Two



Fairfield County School District



District Five of Lexington & Richland Counties

For FY 2022, 69 public entities are recognized for achieving the 20% energy intensity reduction goal and are eligible to receive an Energy Reduction Milestone Achievement Award offered by the Energy Office (Note that recognition does not ensure that an agency's energy use has not since risen or may not rise in the future.)

Aiken Technical College	Saluda School District
Allendale School District	SC Department of Administration - Facilities Management
Anderson School District 2	SC Department of Agriculture
Barnwell School District 45	SC Department of Disabilities & Special Needs
Beaufort School District	SC Department of Juvenile Justice
Chester School District	SC Department of Mental Health
Chesterfield School District	SC Department of Natural Resources
Clarendon School District 2	SC Department of Parks, Recreation & Tourism
Coastal Carolina University	SC Department of Public Safety
College of Charleston	SC Department of Transportation
Colleton School District	SC Educational Television
Dorchester School District 4	SC Forestry Commission
Fairfield School District	SC Law Enforcement Division
Georgetown School District	SC Military Department
Greenville School District	SC Sea Grant Consortium
Greenville Technical College	SC State University
Greenwood School District 50	SC Vocational Rehabilitation Department
Greenwood School District 51	Spartanburg Community College
Hampton School District	Spartanburg School District 1
Horry School District	Spartanburg School District 2
Kershaw School District	Spartanburg School District 4
Lancaster School District	Spartanburg School District 5
Laurens School District 55	Spartanburg School District 7
Laurens School District 56	Sumter School District
Lexington-Richland School District 5	Technical College of the Lowcountry
McCormick School District	The Citadel

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Medical University of SC	Union School District
Midlands Technical College	University of SC - Aiken
Old Exchange Building Commission	University of SC - Lancaster
Orangeburg School District	University of SC - Union
Palmetto Railways	Williamsburg School District
Patriots Point Development Authority	Williamsburg Technical College
Pickens School District	Williston School District 29
Piedmont Technical College	Winthrop University
Rock Hill School District 3	Saluda School District

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Forty entities have been recognized previously for achieving the 20% energy intensity reduction goal in one or more years during FY 2001 – FY 2021 performance periods but have not met the threshold for FY2022 or did not submit complete data for the period.

Many factors may contribute to an organization’s energy use rising again, such as changes in operating hours or construction of new facilities that contain more technological components that consume electricity.

Aiken School District	Lander University
Anderson School District 3	Lee School District
Anderson School District 5	Lexington School District 4
Bamberg School District 1	Newberry School District
Berkeley School District	Northeastern Technical College
Charleston School District	Orangeburg-Calhoun Technical College
Cherokee School District	Richland School District 1
Clarendon School District 1	SC Department of Corrections
Clarendon School District 3	SC Department of Employment & Workforce
Darlington School District	SC Department of Health & Environmental Control
Denmark Technical College	SC Department of Labor, Licensing & Regulation - Division of Fire and Life Safety
Dorchester School District 2	SC Governor's School for Agriculture at John de la Howe
Edgefield School District	Spartanburg School District 3
Florence School District 2	Spartanburg School District 6
Florence School District 5	Tri-County Technical College
Florence-Darlington Technical College	Trident Technical College
Fort Mill School District	University of South Carolina - Columbia
Francis Marion University	University of South Carolina - Sumter
Greenwood School District 52	University of South Carolina - Upstate
Jasper School District	York School District 1

Since the initial performance period of FY 2001, 109 of 144 (76%) of public entities have achieved the 20% energy intensity reduction goal in at least one fiscal year.

# Submission of Annual Progress Reports

*For FY 2022, public entities were asked to complete the following five sections:*

## **Section 1: Energy Conservation Measures**

This section requires an inventory of energy conservation measures implemented during the year, including any measured or projected energy savings.

## **Section 2: Energy Consumption Data**

In this section, overall energy consumption data is reported, either through a web-based reporting tool or a spreadsheet provided by the Energy Office.

## **Section 3: Purchase of Energy Conservation Products**

This section requests a confirmation that all purchased energy conservation products have been certified and/or approved by the Energy Office, as per § 48-52-640.

## **Section 4: Additional Questions**

This section solicits information about organizations' interest in obtaining technical assistance from the Energy Office or in receiving the Energy Connection newsletter. Additional information is requested on any installed photovoltaic systems.

## **Section 5: Energy Plan Update and Success Stories**

This section requests that organizations send a current copy of their energy conservation plans to the Energy Office if they have made significant changes since 2009. If no major revisions occurred, agencies are asked to provide an update on progress toward achieving the goals outlined in their plans, including both successes and barriers faced.

Of the 144 public entities, 125 (87%) submitted complete reports. 13 (9%) did not submit a report. The remaining six (4%) submitted an incomplete report.

<b>Public Entities by Type<sup>1</sup></b>	<b>Total Number of Public entities</b>	<b>Complete</b>	<b>% Complete</b>	<b>Partially Complete</b>	<b>% Partially Complete</b>	<b>Non- Submitting</b>	<b>% Non- Submitting</b>
State Agencies	33	30	91%	1	3%	2	6%
Residential Colleges and Universities <sup>2</sup>	12	11	92%	1	8%	0	0%
Non-Residential Colleges and Universities	21	19	90%	1	5%	1	5%
School Districts	79	65	83%	3	4%	10	13%
<b>Totals</b>	<b>145</b>	<b>125</b>	<b>87%</b>	<b>6</b>	<b>4%</b>	<b>13</b>	<b>9%</b>

A list of non-submitting entities is included in Appendix A. Energy Office staff continues to assist public entities upon request.

A sample of completed Annual Progress Reports is provided in Appendix B. These reports are included to illustrate the range of energy conservation and efficiency activities used by many public entities.

This appendix includes a sampling of complete reports and is not intended to imply Energy Office endorsement of the reports included in the sampling over those not included.

<sup>1</sup> For reporting purposes, public entities were separated into peer groups that most closely mirrored their energy consumption and energy expenditure levels. These group types are as follows: state agencies, residential colleges and universities, non-residential colleges and universities, and school districts.

<sup>2</sup> The Medical University of South Carolina is included in the Residential Colleges and Universities organization type for this report as its energy consumption levels are most similar to this peer group.

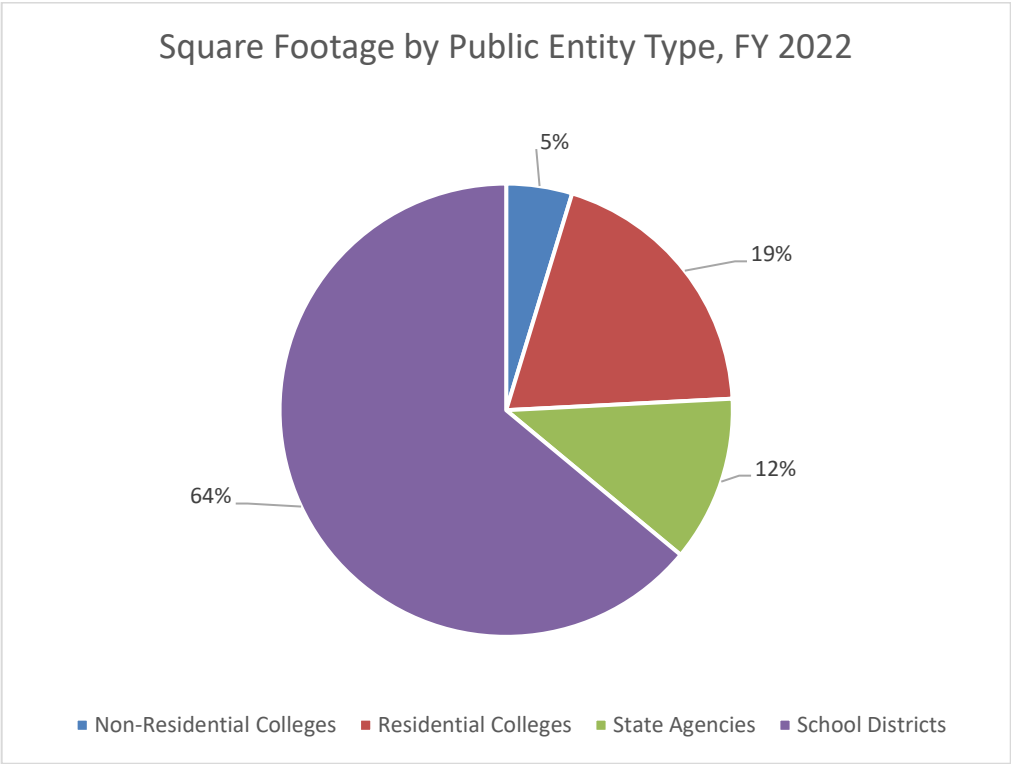
# Progress toward Energy Conservation Goals

The General Assembly requires public entities to work toward meeting specific goals in reducing their energy intensity (defined as total site energy consumption measured in thousands of British Thermal Units (kBtu) per gross square foot). The Energy Office has collected data on energy consumption, energy spending, and building square footage from public entities on an annual basis for more than 20 years. The data can be used as a basis for estimating the progress made by public entities toward meeting required energy goals. However, the data is accepted as received, and the Energy Office makes no representation regarding accuracy. In addition, some entities did not submit reports to the Energy Office, which introduces a potential source of bias. Additional inconsistencies have been introduced because the 2008 legislation exempted buildings constructed under the Energy Independence and Sustainable Construction Act of 2007 as well as buildings not in existence in both 2000 and 2008. However, many agencies and schools simply report on all their buildings, and certainly plan for all their buildings, so the data collected may include energy intensity in buildings that should be excluded from the 20% reduction goal. Consequently, the statistics reported in this section should be interpreted with caution.

For reporting trends, public entities were separated into peer groups that most closely mirrored their energy consumption and energy expenditure levels. The group types are as follows: state agencies, residential colleges and universities, non-residential colleges and universities, and school districts. The Medical University of South Carolina is included in the residential colleges and universities organization type for this report as its energy consumption levels are most similar to this peer group. Individual reports for each reporting entity are available upon request.

In FY 2022, school districts (64%) accounted for the largest share of square footage by type of public entity reporting. The next largest category (19%) was residential colleges and universities. State agencies (12%) and non-residential colleges and universities (5%) accounted for the smallest categories of reporting entities.





Data submitted for FY 2022 indicates that, overall, public entities reduced their energy use intensity by 24% compared to the Fiscal Year 2000 baseline. School districts – the least energy-intensive category of public entities – reported improvements of 21%. Residential colleges – the most energy-intensive category – also reported improvements of 21%.

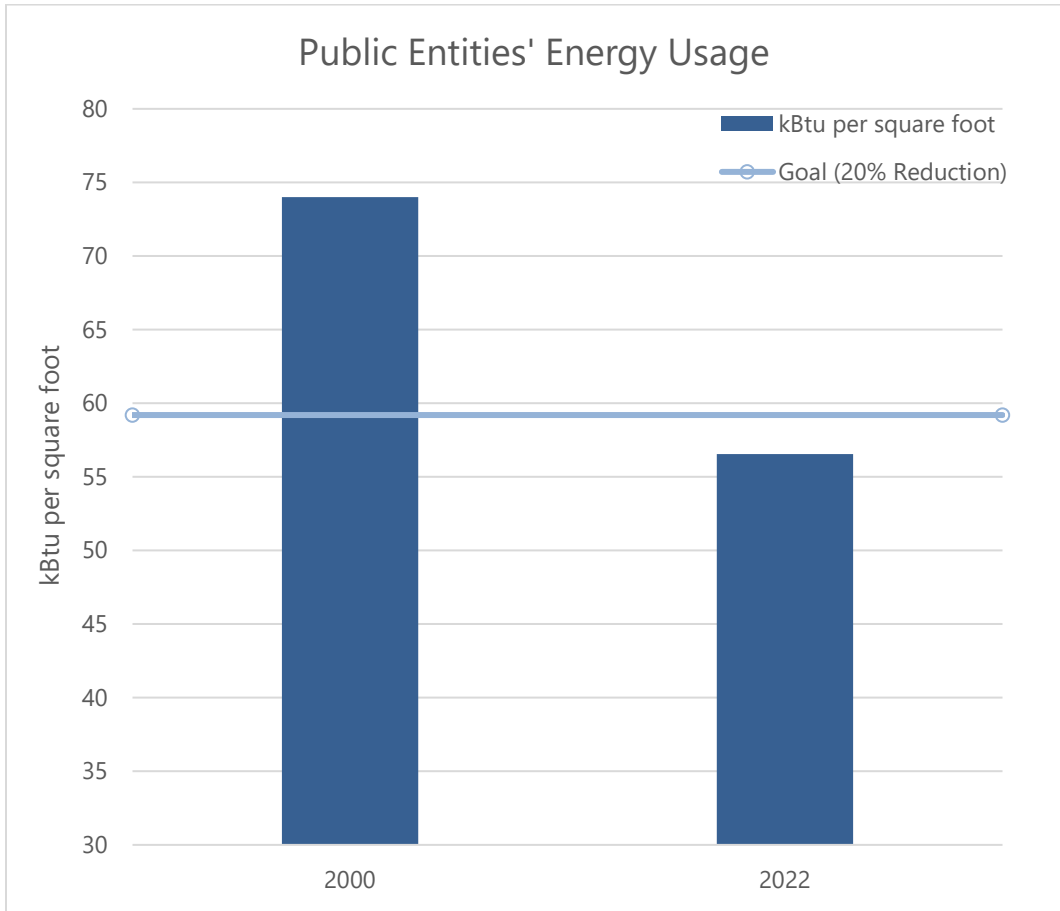
Public entities reduced their energy spending per square foot by 23% from 2000 levels (adjusted for inflation). This differential indicates that the reporting public entities’ efforts to control energy use are paying off. Without those efforts, rising energy costs are likely to have a significant effect on agency budgets.

For residential colleges and universities and school districts, energy consumption slightly increased compared to Fiscal Year 2021, resulting in a slight increase for the reporting public entities overall. This can likely be attributed to a return to normal operations as the state recovers from the COVID-19 pandemic. Despite this slight increase in energy use, energy costs continued to decrease after taking inflation into account.

Public Entities by Type	Average Energy Use per Square Foot (site kBtu)			Average Energy Spending per Square Foot (\$)		
	FY 2000	FY 2022	% change	FY 2000 <sup>3</sup>	FY 2022	% change
State Agencies	113	76.64	-32%	\$2.31	\$1.82	-21%
Residential Colleges and Universities	143	112.87	-21%	\$2.25	\$1.99	-15%
Non-Residential Colleges and Universities	80	63.84	-20%	\$2.01	\$1.54	-23%
School Districts	45	35.40	-21%	\$1.46	\$1.10	-25%
<b>Overall</b>	<b>74</b>	<b>56.55</b>	<b>-24%</b>	<b>\$1.77</b>	<b>\$1.36</b>	<b>-23%</b>

*Note: These statistics are based on data submitted by public entities. The Energy Office makes no representation regarding the accuracy of the data it received.*

<sup>3</sup> These figures have been adjusted for inflation using the Bureau of Labor Statistics' CPI Inflation Calculator (available at <https://data.bls.gov/cgi-bin/cpicalc.pl>). Therefore, figures here are presented in 2022 dollars.



In aggregate, public entities have reported significant improvements in energy intensity compared to the FY 2000 baseline. As noted in the table below, overall energy intensity has decreased from 74 kBTU per square foot to 57 kBTU per square foot. The 20% reduction goal of 59 kBTU per square foot has been exceeded.

Public Entities' Energy Usage	
Year	kBtu per ft <sup>2</sup>
2000	74
2022	57

*Note: These statistics are based on data submitted by public entities. The Energy Office makes no representation regarding the accuracy of the data it received.*

Based on information submitted to the Energy Office, public entities have collectively achieved the 20% goal set by the General Assembly. Energy savings are being realized, and Fiscal Year 2023 will provide an opportunity for public entities to continue to reduce their energy consumption. The

Energy Office is only able to report on the data submitted by public entities. Partially complete or missing data also affect the savings metrics and can lead to difficulty in year-by-year comparisons of energy use.

## Conclusion

The Energy Office continues to provide training, technical assistance, and funding to public entities in support of their efforts to achieve energy conservation goals. Overall, South Carolina's public entities have done an excellent job of reducing energy use. As a group, they have achieved the mandated goal. The Energy Office continues to work with individual agencies to help them achieve, maintain, and exceed the mandated goal as well. The Energy Office looks forward to further savings in Fiscal Year 2023 and will continue to provide assistance in support of South Carolina's energy conservation goals.

# **APPENDIX A:**

## Non-Reporting Public Entities

At the time this annual report was written, the following public entities had not submitted a report for FY 2022:

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Abbeville School District
Anderson School District 1
Charleston School District
Clarendon School District 1
Clarendon School District 3
Dillon School District 4
Florence School District 4
Jasper School District
Lexington School District 4
Marion School District
Northeastern Technical College
SC Department of Corrections
SC Governor's School for Agriculture at John de la Howe

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# **APPENDIX B:**

## Sample Progress Reports

*Disclaimer: The reports in this section are re-printed as submitted to the Energy Office by the reporting entities and are meant to illustrate the programs undertaken in FY 2022. Errors contained in this section are not the responsibility of the Energy Office and the reports have not been altered or corrected.*



# FY22 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:** South Carolina Department of Juvenile Justice

## Person(s) Filing Report

Name: Ted Winnie

Phone Number: (803) 465-4834

Email: [theodoremwinnie@djj.sc.gov](mailto:theodoremwinnie@djj.sc.gov)

Please complete this report and return it to Rick Campana at the Office of Regulatory Staff, Energy Office ([rcampana@ors.sc.gov](mailto:rcampana@ors.sc.gov)) no later than September 16, 2022. Completion of Section II requires the submission of energy consumption data, as described below. You may use the attached reporting tool or the format you normally use to track your energy use.

This report will allow the Energy Office to continue to measure the state's progress in reducing energy consumption by its public entities. 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 Rick Campana at 803-737-5229 or [rcampana@ors.sc.gov](mailto:rcampana@ors.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 FY22. 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 FY22, simply write "None."

SCDJJ is continuing to utilize Seimans Energy Manager through CMI. We have also continued to replace outdated inefficient R-22 units with more efficient 410-A units to reduce consumption when possible. We have also been converting all old security and perimeter lighting to LED through our partnership with Dominion Energy. We are increasing our efforts to convert out of R22 to 410-A.

# FY22 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

## Section II: Energy Consumption Data

To verify progress made toward state energy conservation goals and to assist in statewide energy planning efforts, please provide your complete energy consumption data for FY22 (including all sources of energy used in your buildings) in a format described below:

- If you use energy accounting software, please submit a file containing data showing energy consumption, energy cost, and gross square footage in FY22:
  - As totals for your organization
  - If available, for each meter and/or each building in your organization
- If you do not currently use any energy accounting software:
  - **Use Portfolio Manager:** You may want to consider using Portfolio Manager, the free, web-based energy accounting system provided by ENERGY STAR. If you would like more assistance with entering your data into Portfolio Manager, please email [rcampana@ors.sc.gov](mailto:rcampana@ors.sc.gov).
  - **Use the SCEO Consumption Reporting Tool:** You may choose to complete and submit the file entitled SCEO Consumption Reporting Tool, which can be downloaded from the Energy Office website.
  - Otherwise please submit data using Excel.

## Section III: Purchase of Energy Conservation Products

*§48-52-640 mandates that all state agencies "shall submit a disclaimer statement to the State Energy Office with [their] annual report stating that [they] did not purchase an energy conservation product that had not been certified by the State Energy Office."*

The Energy Office has posted a [list of pre-certified and/or approved energy conservation products/measures](#) on the Energy Office website. For any products/measures not listed here, agencies should contact Rick Campana at [rcampana@ors.sc.gov](mailto:rcampana@ors.sc.gov) or by telephone at 803-737-5229.

### Statement

*I hereby certify that my organization did not purchase any energy conservation products that have not been certified and/or approved by the Energy Office.*

Initials

TMW

# FY22 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

## Section IV: Additional Questions

Your answers to these questions help the Energy Office tailor outreach and activities to address the needs of your organizations, thank you for your feedback!

- Are you interested in a free walk-through energy assessment performed by a member of the Energy Office's Technical Assistance team?

Y or  N

- If you would like to subscribe to the South Carolina Energy Office newsletter The Energy Connection, please write the preferred e-mail:

Email:

- If any of your facilities have solar panels used to generate energy for the facility or to put back on the grid, please provide the name of the facility, kW (AC) capacity, and the interconnected utility.

○ Name of the facility:

○ Capacity (kWAC):

○ Interconnected utility:

## 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 [rcampana@ors.sc.gov](mailto:rcampana@ors.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.

SCDJJ has no major changes to our plan of 2009. We continue to get annual training with our control system to keep staff updated with energy management tools.

# FY22 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:

## Person(s) Filing Report

Name:

Phone Number:

Email:

Please complete this report and return it to Rick Campana at the Office of Regulatory Staff, Energy Office ([rcampana@ors.sc.gov](mailto:rcampana@ors.sc.gov)) no later than September 16, 2022. Completion of Section II requires the submission of energy consumption data, as described below. You may use the attached reporting tool or the format you normally use to track your energy use.

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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 FY22, simply write "None."**

MUSC is under contract with Ameresco for our second energy performance contract. Active work began May 28, 2019. CM 1 & 3 lighting 2 remaining bldgs (Main Hospital and ART Hospital) are almost complete with punch list items in 7 bldgs. All other bldgs are complete for CM 1 & 3. CM 2 modify controls sequence has 4 bldgs left to program, CM4 AHU condensate recovery work is complete, CM 5 Mechanical Insulation & Building environment improvements all 60 bldgs complete, CM 7 Chiller plant optimization work in progress, CM 8 Variable Primary Flow Conversion complete. We received a Dominion incentive of \$4,210.75 for lighting.

MUSC is still working toward design and construction for a combined heat and power facility. If this project moved forward it may take 4 years to construct.

One 30 year old ultra low temperature freezer was sent to surplus and replaced by a new energy efficient freezer through the ULT rebate program. An annual average of 489 kWh will be saved. We received a Dominion incentive of \$592.

We installed one variable speed drive in the Sabin St energy plant and received a Dominion incentive of \$3,600.

# FY22 Annual Progress Report

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  - Use the SCEO Consumption Reporting Tool: You may choose to complete and submit the file entitled SCEO Consumption Reporting Tool, which can be downloaded from the Energy Office website.
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## Section III: Purchase of Energy Conservation Products

§48-52-640 mandates that all state agencies "shall submit a disclaimer statement to the State Energy Office with [their] annual report stating that [they] did not purchase an energy conservation product that had not been certified by the State Energy Office."

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### Statement

*I hereby certify that my organization did not purchase any energy conservation products that have not been certified and/or approved by the Energy Office.*

Initials

# FY22 Annual Progress Report

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## Section IV: Additional Questions

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Y or  N

- If you would like to subscribe to the South Carolina Energy Office newsletter The Energy Connection, please write the preferred e-mail:

Email:

- If any of your facilities have solar panels used to generate energy for the facility or to put back on the grid, please provide the name of the facility, kW (AC) capacity, and the interconnected utility.

○ Name of the facility:

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## 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 [rcampana@ors.sc.gov](mailto:rcampana@ors.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.

# FY22 Annual Progress Report

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**Organization Name:**

## Person(s) Filing Report

Name:

Phone Number:

Email:

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This report will allow the Energy Office to continue to measure the state's progress in reducing energy consumption by its public entities. 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 Rick Campana at 803-737-5229 or [rcampana@ors.sc.gov](mailto:rcampana@ors.sc.gov).

## Section I: Energy Conservation Measures

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Horry-Georgetown Technical College's Grand Strand Campus has extended the life of our 100, 200, and 300 buildings by replacing/installing new energy efficient doors, windows, roof coating, new LED exterior lights, storm retention ponds, and retention ponds. Our Georgetown Campus has replaced/installed new energy efficient doors, windows, and rood coating in building 100.  
Building 100 GS - 14,122 square feet  
Building 200 GS - 106,000 square feet  
Building 300 GS - 22,000 square feet  
Building 100 GT - 20,000 square feet

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Initials





# FY22 Annual Progress Report

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Next year we plan to do extensive roof work to all (3) of our campuses as well as upgrade lighting and install a more energy efficient mechanical system overall.

# FY22 Annual Progress Report

To be submitted to the Office of Regulatory Staff, Energy Office  
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Organization Name: Lancaster County School District

## Person(s) Filing Report

Name: John Duke

Phone Number: 803-416-8010

Email: john.duke@lcsd.k12.sc.us

Please complete this report and return it to Rick Campana at the Office of Regulatory Staff, Energy Office ([rcampana@ors.sc.gov](mailto:rcampana@ors.sc.gov)) no later than September 16, 2022. Completion of Section II requires the submission of energy consumption data, as described below. You may use the attached reporting tool or the format you normally use to track your energy use.

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We replaced approximately 150 old 10 SEER HVAC units with 14 SEER HVAC units and updated the HVAC DDC control systems in 3 schools. We completed construction of a new 300,000 SF LEED Silver certified high school.

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Initials | JWD

# FY22 Annual Progress Report

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**ENERGY.SC.GOV**

Office of Regulatory Staff

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Suite 900

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