Saving Energy: 2019

How Electric and Natural Gas Utilities in South Carolina are Using Demand-Side Management

ENERGY OFFICE

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are Using Demand-Side Management

December 2019

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Disclaimer: The information in this report is based on utility Integrated Resource Plans, responses to information requests and other public information sources. This agency does not assume responsibility for the accuracy or completeness of any information.

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EXECUTIVE SUMMARY

Demand Side Management (DSM) is a strategy that electric and natural gas utilities use to decrease or shift demand for their energy services. The State Energy Office, a division of the South Carolina Office of Regulatory Staff, is submitting this report pursuant to S.C. Code Ann § 58-37-30. This report is intended to summarize DSM activities deployed by South Carolina's electric and natural gas utilities – investor-owned utilities, Santee Cooper, electric cooperatives, and municipalities – as reported in 2019. Data used to create this report was taken from utility planning documents and information requests.

For the purposes of this report, DSM programs are activities conducted by electric and natural gas utilities for the reduction or more efficient use of energy in the following three major categories: (1) Energy Efficiency and Conservation (2) Reducing the amount of electricity and natural gas needed; and (3) Public Information.

Summary: South Carolina Electric Distribution Utilities

Of the 46 Electric Distribution Utilities (EDUs, i.e., Dominion Energy and Duke Energy) in South Carolina, 36 had ongoing DSM activities in 2019. Their ongoing activities are discussed below. See Appendix A for a summary of all incentives offered by all utilities and refer to Appendix B for more detailed descriptions of programs offered by each utility.

Energy Efficiency and Conservation

- Two EDUs provided financial incentives to builders and/or building occupants to promote energy-efficient new construction.
- Thirteen EDUs offered financial incentives to building occupants to encourage energy efficiency improvements in existing structures.
- Eleven EDUs offered on-site energy assessments to customers in which they provided trained personnel to evaluate facilities and suggest methods for improving energy efficiency.
- Three EDUs implemented energy efficiency and weatherization programs for low-income customers; the programs provide personalized assistance and financial support to assist in making needed home improvements and lowering their monthly electric bill.
- Seventeen EDUs offered financial incentives for the purchase and/or installation of energy-efficient appliances, equipment, and lighting.

Load Management

- Twenty-seven EDUs offered financial incentives to customers who allowed utilities to control their peak load by curtailing the operation of certain appliances or equipment during periods of peak demand.
- Three EDUs offered financial incentives to customers who agreed to partially or completely halt electricity consumption, or allowed the utility to interrupt service, during periods of peak demand.
- Five EDUs offered rates that encourage the reduction of energy use during times when there is a high demand for electricity.
- One EDU provided incentives for customers to switch to on-site standby electricity (i.e., generators) generation during periods of peak demand.

Public Information

- Twenty-eight EDUs maintained websites that offered energy efficiency and conservation tips and/or web-based systems for viewing and analyzing monthly electricity usage and cost.
- Eight EDUs communicated directly with customers through mailings and/or in-person assistance to publicize utility DSM programs and to offer energy efficiency and conservation tips and services.
- Five EDUs conducted public outreach campaigns through advertising and/or presence at community events to publicize utility DSM programs and offer energy efficiency and conservation tips.
- Three EDUs provided instructional programs and/or resources to K-12 schools to promote energy awareness.

Summary: South Carolina Natural Gas Distribution Utilities

Of the 15 natural gas utilities (NGUs) in South Carolina, 13 had ongoing DSM activities in 2019. These activities are discussed below.

Energy Efficiency and Conservation

- Ten NGUs offered financial incentives for the purchase and/or installation of newer, more efficient natural gas appliances or equipment.

Load Management

- One NGU offered financial incentives to customers that allowed utilities to cut off or reduce their natural gas deliveries during periods of peak demand. Interruptible-service customers are typically commercial or industrial entities that have the ability to switch from utility natural gas to another energy source or are willing to suspend operations during fuel-curtailment periods.

Public Information

- Nine NGUs maintained websites that offered energy efficiency and conservation tips and/or web-based tools for viewing and analyzing monthly natural gas usage and cost.
- Two NGUs communicated directly with customers through mailings and/or in-person assistance to publicize utility DSM programs and offer energy efficiency and conservation tips and services.
- One NGU conducted public outreach campaigns through advertising and presence at community events to publicize utility DSM programs and offer energy efficiency and conservation tips.

INTRODUCTION

Demand Side Management (DSM) is a strategy that electric and natural gas utilities employ to decrease or shift demand for their energy services. The State Energy Office, a division of the South Carolina Office of Regulatory Staff, is submitting this report pursuant to S.C. Code Ann § 58-37-30. This report is intended to summarize DSM activities deployed by South Carolina's electric and natural gas utilities – investor-owned utilities, Santee Cooper, electric cooperatives, and municipalities – as reported in 2019. Data used to create this report was taken from utility Integrated Resource Plans (IRPs) submitted during 2019 and utility responses to information requests. Consequently, the data and program descriptions represent the utilities' descriptions, goals, and objectives for their DSM activities. These IRPs include data from prior periods as well as future projections.

Utilities are encouraged by state legislation to adopt and implement DSM programs, which directly benefit utilities by reducing their need for wholesale energy purchases and potentially deferring infrastructure investments. Utilities regulated by the South Carolina Public Service Commission of South Carolina (PSC) receive regulatory incentives allowing them to recover costs associated with these programs. Some examples of infrastructure investments that may be minimized or deferred include the installation of pollution controls, the construction of new generation, and the construction of new transmission and distribution infrastructure. Customers can also directly benefit from DSM through reductions in their monthly energy consumption.

For the purposes of this report, DSM programs are defined as activities conducted by electric and natural gas utilities for the reduction or more efficient use of energy in the following three major categories:

- **Energy Efficiency and Conservation:** Energy efficiency (EE) reduces energy consumption without requiring customers to sacrifice the benefits received from energy (for example, installing building insulation, purchasing efficient appliances). Energy conservation reduces energy consumption by requiring customers to decrease their utilization of energy-consuming devices (for example, reducing thermostat temperature, turning off lights). Although each achieves energy reduction in a different way, they are closely related and are grouped together in this report.

- **Load Management:** Reduces customer demand for energy during periods of peak demand when capacity is limited, and the cost of energy provision is high.

- **Public Information:** Encourages customer participation in DSM programs and seeks to change behaviors through public campaigns, direct-to-customer communication, or increasing customer access to information about their consumption of energy services.

The following sections of this report provide a description of the DSM programs offered by the investor-owned utilities, Santee Cooper, electric cooperatives, and municipalities. Data used to create this report reflect utility IRPs submitted during 2019 and utility responses to information requests received during the same period. These plans were submitted between February and December of 2019 and cover both activities undertaken in the previous year and activities planned for the future. Due to their similarities and the way that the programs overlap, energy efficiency and conservation programs have been grouped together.

In 2019, 49 of 61 South Carolina electric and natural gas distribution utilities offered DSM programs. The widest variety of DSM programs were available from the three largest investor-owned electric utilities — Duke Energy Carolinas, LLC, Duke Energy Progress, LLC, and Dominion Energy South Carolina (DESC) — and from the state-owned South Carolina Public Service Authority (Santee Cooper), which offered a variety of DSM programs covering all major categories.

Central Electric Cooperative, reporting for the twenty-member electric distribution cooperatives, has a longstanding load-control program that has been in effect for more than thirty years. Several electric cooperatives also offer low-interest loans for home weatherization through on-bill financing. Twelve South Carolina municipal electric utilities, the largest being Rock Hill and the smallest being Westminster, also maintain DSM programs. South Carolina's fourth investor-owned electric utility, Lockhart Power Company, has one primary DSM program through its Industrial Interruptible Service Rate.

Piedmont Natural Gas Company, one of South Carolina's two investor-owned natural gas distribution utilities, also offered DSM programs. In addition, twelve of South Carolina's municipal natural gas utilities maintain DSM programs.

Photo Credit: Dennis Schroeder / NREL

Summary: South Carolina Electric Distribution Utilities

Of the 46 Electric Distribution Utilities (EDUs) in South Carolina, 36 had ongoing DSM activities in 2019[1]. Their ongoing activities are discussed below. See Appendix A for a summary of all incentives offered by all utilities and refer to Appendix B for more detailed descriptions of programs offered by each utility.

Energy Efficiency and Conservation

- Two EDU provided financial incentives to builders and/or building occupants to promote energy-efficient new construction.
- Thirteen EDUs offered financial incentives to building occupants to encourage energy efficiency improvements in existing structures.
- Eleven EDUs offered on-site energy assessments to customers in which they provided trained personnel to evaluate facilities and suggest methods for improving energy efficiency.
- Three EDUs implemented energy efficiency and weatherization programs targeting low-income customers; the programs provide personalized assistance and financial support to assist those customers in making needed home improvements and lowering their monthly electric bill.
- Seventeen EDUs offered financial incentives for the purchase and/or installation of energy-efficient appliances, equipment, and lighting.

Load Management

- Twenty-Seven EDUs offered financial incentives to customers that opted to allow utilities to control their peak load by curtailing the operation of certain appliances or equipment during periods of peak demand.
- Three EDUs offered financial incentives to customers that agreed to partially or completely halt electricity consumption, or allowed the utility to interrupt service, during periods of peak demand.
- Five EDUs offered rates that reflected time-of-use, real-time, and/or seasonal capacity constraints and marginal generation costs during periods of peak demand.
- One EDU provided incentives for customers to switch to on-site standby electricity generation during periods of peak demand.

[1] *Information provided on this summary page does not include pilot projects.*

Public Information

- Twenty-eight EDUs maintained websites that offered energy efficiency and conservation tips and/or web-based systems for viewing and analyzing monthly electricity usage and cost.
- Eight EDUs communicated directly with customers through mailings and/or in-person assistance to publicize utility DSM programs and to offer energy efficiency and conservation tips and services.
- Five EDUs conducted public outreach campaigns through advertising and/or presence at community events to publicize utility DSM programs and offer energy efficiency and conservation tips.
- Three EDUs provided instructional programs and/or resources to K-12 schools to promote energy awareness.

Summary: South Carolina Natural Gas Distribution Utilities

Of the 15 natural gas utilities (NGUs) in South Carolina, 13 had ongoing DSM activities in 2019. These activities are discussed below.

Energy Efficiency and Conservation

- Ten NGUs offered financial incentives for the purchase and/or installation of newer, more efficient natural gas appliances or equipment.

Load Management

- One NGU offered financial incentives to customers that allowed utilities to cut off or reduce their natural gas deliveries during periods of peak demand. Interruptible-service customers are typically commercial or industrial entities that have the ability to switch from utility natural gas to another energy source or are willing to suspend operations during fuel-curtailment periods.

Public Information

- Nine NGUs maintained websites that offered energy efficiency and conservation tips and/or web-based tools for viewing and analyzing monthly natural gas usage and cost.
- Two NGUs communicated directly with customers through mailings and/or in-person assistance to publicize utility DSM programs and offer energy efficiency and conservation tips and services.
- One NGU conducted public outreach campaigns through advertising and presence at community events to publicize utility DSM programs and offer energy efficiency and conservation tips.

INVESTOR-OWNED ELECTRIC UTILITIES

Duke Energy Carolinas

Duke Energy Carolinas (DEC) uses DSM and EE programs to efficiently and cost-effectively alter customer demands and reduce the long-run supply costs for energy and peak demand. These programs can vary greatly in their dispatch characteristics, size and duration of load response, certainty of load response, and level and frequency of customer participation. Following are the DSM programs currently available through DEC. More information on these programs can be found on DEC's website for homeowners and businesses.

Residential Customer Programs

- Energy Assessments
- Energy Efficiency Education
- Energy Efficient Appliances and Devices
- Income-Qualified Energy Efficiency and Weatherization Assistance
- Multi-Family Energy Efficiency
- My Home Energy Report
- Smart $aver® Energy Efficiency
- Power Manager
- Time-of-Use Rate
- Online Resources

Non-Residential Customer Programs

- Non-Residential Smart $aver® Prescriptive Program
- Non-Residential Smart $aver® Custom Program
- Non-Residential Smart $aver® Custom Energy Assessment
- Non-Residential Smart $aver® Performance Incentive
- Small Business Energy Saver
- PowerShare®
- EnergyWise® Business
- Online Resources

Photo Credit: Hidden Springs Community, LLC

Duke Energy Progress

Like DEC, Duke Energy Progress (DEP) utilizes DSM and EE programs to efficiently and cost-effectively alter customer demands and reduce the long-run supply costs for energy and peak demand. These programs can vary greatly in their dispatch characteristics, size and duration of load response, certainty of load response, and level and frequency of customer participation. In general, programs are offered in two primary categories: EE programs that reduce energy consumption and DSM programs that reduce peak demand (demand-side management or demand-response programs and certain rate-structure programs).

DEP's DSM portfolio currently consists of the following programs, as approved by the PSC. More information on these programs can be found on DEP's website for homeowners and businesses.

Residential Customer Programs

- Residential Smart $aver® Energy Efficiency
- Residential New Construction
- Neighborhood Energy Saver (Low-Income)
- My Home Energy Report
- Multi-Family Energy Efficiency
- Energy Efficiency Education
- Residential Energy Assessments
- Energy Efficient Appliances and Devices
- EnergyWise Home
- Time-of-Use Rate
- Online Resources

Non-residential Customer Programs

- Non-Residential Smart $aver® Energy Efficient Products and Assessment
- Non-Residential Smart $aver® Performance Incentive
- Small Business Energy Saver
- CIG Demand Response Automation Program
- Time-of-Use Rate
- EnergyWise Business
- Online Resources

Combined Residential/Non-Residential Customer Programs

- Energy Efficient Lighting
- Distribution System Demand Response (DSDR)

Lockhart Power Company

Lockhart Power Company's primary demand-side program is its Industrial Interruptible Service Rate (IS-1). This rate is available to industrial customers receiving service from the Company under Schedule I concurrent with a metered demand of 750 kilowatts or more served from the Company's transmission system. Under this rate the customer agrees, at the Company's request, to reduce and maintain its load at or below the level specified in the individual contract. The Company's request to interrupt service may be at any time the Company or its power supplier has capacity problems.

In addition, the standard residential rate (R) has an inclining feature— namely, Lockhart charges a somewhat higher rate for all usage above 1,000 kWh each month. This rate structure provides incentives to customers to reduce their consumption of electricity.

Dominion Energy South Carolina

As stated in DESC's 2019 IRP, DSM can be broadly defined as the set of actions that can be taken to influence the level and timing of the consumption of energy. There are two common subsets of DSM: Energy Efficiency and Load Management (also known as Demand Response). Energy Efficiency typically includes actions designed to increase efficiency by maintaining the same level of production or comfort, but using less energy input in an economically efficient way. Load Management typically includes actions specifically designed to encourage customers to reduce usage during peak times or shift that usage to other times.

A list of DESC's programs can be found below, and more information is available on their website for homeowners and businesses.

Residential Customer Programs

- Energy Saver/Conservation Rate
- Seasonal Rates
- Residential Home Energy Reports
- Residential Home Energy Check-up
- Residential ENERGY STAR® Lighting
- Residential Heating & Cooling Program
- Neighborhood Energy Efficiency Program
- Appliance Recycling Program
- Online Resources

Non-Residential Customer Programs

- EnergyWise for Your Business Program
- Small Business Energy Solutions Program
- Standby Generator Program
- Interruptible Load Program
- Real Time Pricing Rate
- Online Resources

Residential and Non-Residential Customer Programs

- Time-of-Use Rates

Photo Credit: Dennis Schroeder / NREL

STATE-OWNED ELECTRIC UTILITY

Santee Cooper

For over 20 years, Santee Cooper has offered DSM programs. These programs have measures that save energy and/or demand. The energy and/or demand impacts of the actual and projected participation of Santee Cooper's directly served retail customers are considered when updating the energy and/or demand needs in the generation plan.

Santee Cooper's programs are listed below. More information on these programs can be found on their website for homeowners and businesses.

Residential Customer Programs

- Smart Energy Loans
- Smart Energy Existing Homes
- Equipment and Lighting Incentives
- Smart Energy New Homes
- Onsite Energy Assessments
- Time-of-Use Rate
- Public Information Programs
- School Programs & Resources

Non-Residential Programs

- Commercial Prescriptive
- Commercial Custom
- Commercial Small Business Direct Install Program
- Onsite Energy Assessments
- Interruptible Service Rate
- Time-of-Use Rate
- Seasonal Rate
- Energy Savings Tips

For more information regarding the DSM programs offered by the investor-owned utilities and Santee Cooper, see the IRPs for each utility at **ENERGY.SC.GOV/Utilities**

Photo Credit: Dennis Schroeder / NREL

ELECTRIC COOPERATIVES

Central Electric Power Cooperative is reporting on behalf of the 20 distribution electric cooperatives in South Carolina. Here is a summary of their DSM and Energy Efficiency programs for the year 2019.

DSM

An active demand response program currently exists whereby peak demands are reduced via electric water heater control, air conditioner control, voltage control, and interrupted loads. Central and its member cooperatives are reducing peak loads approximately 125 MW during winter months and 60 MW during summer months. These are longstanding programs that began 30 years ago. While many of the switches are controlled via a radio signal, South Carolina distribution cooperatives are increasingly turning to smart-grid applications that use power line carrier technology to communicate. Central and its member cooperatives began a "Beat the Peak" program in 2016. "Beat the Peak" allows members to voluntarily sign up to receive notifications of peak demand periods. Notifications are sent via text, email, and/or voice messages during peak times when members can help reduce electricity use.

Central and its member cooperatives launched a smart thermostat program in 2018, after a successful pilot in 2017. The smart thermostat program will complement the existing load management program offered by the cooperatives. In addition, a residential Level II electric vehicle charging station pilot program and a residential generator pilot program are underway to determine the value of the increased load to the system and the effects to system peak damand. Central and its member cooperatives will begin a new wi-fi water heater switch pilot in 2020 that will evaluate the new technology versus existing AMI technology."

Energy Efficiency

Utilizing the South Carolina on-bill financing statute, several electric power cooperatives offer retail members low-interest loans for home weatherization. Through 2019, over 750 homes have participated in the Help My House® weatherization program, and seven cooperatives received a new $13 million loan from the USDA's Rural Energy Savings Program to further expand the effort.

In addition to on-bill weatherization programs, some South Carolina distribution cooperatives offer on-bill heat pump replacement programs and special rates for members whose homes meet certain energy efficiency requirements.

Some of the cooperatives have additional programs. See the following list.

Aiken Electric Cooperative

More information on the program can be found on the cooperative's website.

- H2O Select®
- Help My House
- Home Energy Savings - Energy Tips

Berkeley Electric Cooperative

More information on these programs can be found on the cooperative's website.

- Earth Connect Geothermal Heat Pump
- Dual Fuel Heating System
- H2O Advantage
- Home Advantage Loan Program
- Energy Advance Loan
- Energy Audit
- Time-of-Day Rate

Black River Electric Cooperative

More information on these programs can be found by contacting the cooperative and on their website.

- Energy Efficiency Tips
- Help My House

Blue Ridge Electric Cooperative

More information on these programs can be found on the cooperative's website.

- H2O Select
- Heat Pump Loan Program
- Energy Savings Tips

Broad River Electric Cooperative

More information on these programs can be found on the cooperative's website.

- Energy Tips
- Energy Efficiency Rate

Coastal Electric Cooperative

More information on these programs can be found on the cooperative's website.

- Home Energy Checkup
- Energy Advance
- H2O Select
- Energy Savings Tools and Tips

Edisto Electric Cooperative

More information on these programs can be found on the cooperative's website.

- Energy Saving Tools and Tips
- Do-It-Yourself Energy Audit

Fairfield Electric Cooperative

More information on these programs can be found on the cooperative's website.

- H2O Select
- Energy Tips
- Energy Experts

Horry Electric Cooperative

More information on these programs can be found on the cooperative's website.

- H2O Select
- H2O Load Management
- Guide to Energy Savings

Laurens Electric Cooperative

More information on these programs can be found on the cooperative's website.

- Energy Star Rate Schedule
- Home Rewards Program
- Commercial and Industrial Lighting Upgrade Incentive

Little River Electric Cooperative

More information on this program can be found by contacting the cooperative.

- Help My House

Lynches River Electric Cooperative

More information on these programs can be found on the cooperative's website.

- H2O Select
- Energy Tools and Tips

Marlboro Electric Cooperative

More information on these programs can be found on the cooperative's website.

- Energy Tips

Mid-Carolina Electric Cooperative

More information on these programs can be found on the cooperative's website.

- H2O Select
- Energy Tips

Palmetto Electric Cooperative

More information on these programs can be found on the cooperative's website.

- Buried Treasure Rebate Program
- Dual-Fuel Heat Pumps
- H2O Select®

Pee Dee Electric Cooperative

More information on these programs can be found on the cooperative's website.

- Energy Resource Conservation Loan
- H2O Select
- Dual Fuel
- Energy Audits
- Geothermal Heat Pump
- Commercial Lighting Incentive

Santee Electric Cooperative

More information on these programs can be found on the cooperative's website.

- Energy Audits
- H2O Select
- Help My House
- Energy Saving Tools and Tips

Tri-County Electric Cooperative

More information on these programs can be found on the cooperative's website.

- Help My House
- Residential Energy Efficiency Tools and Tips
- Commercial Energy Efficiency Tools and Tips

York Electric Cooperative

More information on these programs can be found on the cooperative's website.

- Dual Fuel Heat Pump Rebate
- Power Saver Rewards
- Energy Audit Program
- Energy Tips

MUNICIPAL ELECTRIC UTILITIES

City of Abbeville

- Online "Energy Depot" Toolkit

Bamberg Board of Public Works

- Energy Saving Tips

City of Clinton

- Green Grid Rewards
- Online "Energy Depot" Toolkit

City of Georgetown

- Consumption Audits for Residential Customers
- Santee Cooper Smart Energy Home Program

Laurens Commission of Public Works

The Laurens CPW has a DSM program for residential and qualifying commercial customers. An EE rate is currently offered to incentivize the use of switches to control air conditioning and pool pumps during high electricity demand periods.

- Green Grid Rewards
- Ways to Save

City of Rock Hill

Residential Customer Programs

- Smart Choice Program
- Smart Switches
- Energy Conservation Tools and Tips

Non-Residential Customer Program

- Energy Management Consultation

City of Union

- Conservation Tips
- Online "Energy Depot" Toolkit

City of Westminster

- Online "Energy Depot" Toolkit
- Energy Saving Tips

Easley Combined Utilities

- Load Management Program
- Online "Energy Depot" Toolkit

Gaffney Board of Public Works

- Conservation Tips
- Online Energy Depot

Greer Commission of Public Works

- Electricity Conservation Tips

McCormick Commission of Public Works

- Conservation Tips

Seneca Light & Water

- Energy Tips

INVESTOR-OWNED NATURAL GAS UTILITIES

Piedmont Natural Gas Company

Piedmont Natural Gas Company (Piedmont) administers the following Energy Efficiency programs to customers in its South Carolina service territory:

- Natural Gas Appliance Rebates
- Energy Saving Tools and Tips

Dominion Energy South Carolina

DESC's DSM programs do not specifically target natural gas usage; many of its programs –particularly energy assessments and public information activities – have the effect of encouraging natural gas efficiency, conservation, and/or reduction of peak demand within its combined gas-electric service area. DESC does have natural gas rebates available to its natural gas customers.

MUNICIPAL NATURAL GAS UTILITIES

Bamberg Board of Public Works

- Energy Saving Tips

Chester County Natural Gas Authority

Chester County Natural Gas Authority's DSM programs for natural gas utilities are based on the increased efficiency of new natural gas appliances, which reduces demand on the gas system.

The Authority employs the following DSM Programs:

- Appliance Rebate Program
- Water Heater Program
- Rate 1
- Energy Saving Tips

City of Union Utility Department

- Natural Gas Rebate

Clinton-Newberry Natural Gas Authority

- Energy Saving Tips

Fort Hill Natural Gas Authority

Fort Hill Natural Gas demand-side management activities for 2019 included interruptible-service contracts for its larger volume customer accounts and rebates for customers purchasing new natural gas appliances.

- Appliance Rebates
- Energy Tips

Fountain Inn Natural Gas

- Energy Saving Tips

Greenwood Commission of Public Works

- Policy for Promotion of Natural Gas Usage by Residential Owners and Builders

Greer Commission of Public Works

- Natural Gas Conservation Tips
- Natural Gas Rebate Program

Lancaster County Natural Gas Authority

- Energy Tips

Laurens Commission of Public Works

- Blue Star-Switch to Gas

Orangeburg Department of Public Utilities

The Orangeburg Department of Public Utilities (ODPU) has a rebate program that includes rebates for tankless water heaters and high efficiency heaters. The ODPU offers favorable rates for interruptible-service customers.

- Natural Gas Rebates
- Interruptible Rates

York County Natural Gas

York County Natural Gas offers a rebate program for customers converting appliances to natural gas. Information on the website provides details regarding what appliances are eligible, rebate amounts, and the rebate request form.

APPENDIX A

Electric and Natural Gas Demand Side Management Programs

Electric Demand Side Management Programs

Utility Name	Ownership	Energy Efficiency					Load Management						Public Information				
		New Building Efficiency Incentives	Existing Building Retrofit Incentives	On-Site Energy Assessments	Low-Income Efficiency and Weatherization Assistance	Equipment and Lighting Incentives	Load Control Incentives	Interruptible Service Incentives	Time-of-Use or Seasonal Rates	Standby Generation Incentives	Thermal Storage Incentives	Voltage Reduction	Web-Based Customer Tips and Tools	In-Home Real-Time Energy Monitoring	Direct-to-Customer Communication	Public Campaigns	School Programs & Resources
Abbeville, City of	Municipal												✓		✓		
Bamberg Board of Public Works	Municipal												✓				
Bennettsville, City of	Municipal																
Camden, City of	Municipal																
Clinton, City of	Municipal						✓						✓				
Dominion Energy South Carolina	Investor-Owned		✓	✓	✓	✓		✓	✓	✓		✓	✓	✓	✓	✓	
Town of Due West	Municipal																
Duke Energy Carolinas	Investor-Owned		✓	✓	✓	✓	✓		✓				✓		✓	✓	✓
Duke Energy Progress	Investor-Owned	✓	✓	✓	✓	✓	✓		✓		✓	✓	✓		✓	✓	✓
Easley Combined Utility System	Municipal						✓						✓				
Electric Cooperatives (20 Co-ops)	Cooperative		✓*	✓*		✓*	✓		✓*		✓*		✓*		✓		
Gaffney Board of Public Works	Municipal												✓				
Georgetown, City of	Municipal		✓	✓													
Greenwood CPW	Municipal																
Greer CPW	Municipal												✓				
Laurens CPW	Municipal						✓						✓				
Lockhart Power Co., Inc	Investor-Owned							✓									
McCormick CPW	Municipal												✓				
Newberry, City of	Municipal																
Orangeburg DPU	Municipal																
Town of Prosperity	Municipal																
Rock Hill, City of	Municipal		✓	✓			✓						✓			✓	
Santee Cooper	State-Owned	✓	✓	✓		✓		✓	✓				✓		✓	✓	✓
Seneca Light & Water Plant	Municipal												✓				
Union, City of	Municipal												✓				
Westminster CPW	Municipal						✓						✓		✓		
Winnsboro, Town of	Municipal																

SOURCE: Office of Regulatory Staff- Energy Office annual survey of utilities
Note: This table does not include pilot projects.
**Avaliable from select Co-ops*

Natural Gas Demand Side Management Programs

Utility Name	Ownership	Energy Efficiency				Load Management	Public Information		
		New Building Efficiency Incentives	On-Site Energy Assessments	Low-Income Efficiency and Weatherization Assistance	Efficient Appliance or Equipment Inventives	Interruptible Service Incentives	Web-Based Customer Tools and Tips	Direct-to-Customer Communication	Public Campaigns
Bamberg Board of Public Works	Municipal						✓		
City of Bennettsville	Municipal								
Chester County Natural Gas Authority	Municipal				✓		✓		
Clinton-Newberry Natural Gas Authority	Municipal						✓		
Fort Hill Natural Gas Authority	Municipal				✓		✓		
Fountain Inn Natural Gas	Municipal						✓		
Greenwood Commission of Public Works	Municipal				✓				
Greer Commission of Public Works	Municipal				✓		✓		
Lancaster County Natural Gas Authority	Municipal						✓		
Laurens Commission of Public Works	Municipal				✓				
Orangeburg Department of Public Utilities	Municipal				✓	✓			
Piedmont Natural Gas Company	Investor-Owned				✓		✓	✓	
Dominion Energy South Carolina	Investor-Owned				✓		✓	✓	✓
City of Union	Municipal				✓				
Town of Winnsboro	Municipal								
York County Natural Gas Authority	Municipal				✓				

Source: Office of Regulatory Staff- Energy Office annual survey of utilities.
Note: This table does not include pilot projects.

APPENDIX B

DSM / EE Incentives

Duke Energy Carolinas

The following table lists residential incentives for Duke Energy Carolinas customers.

Program	Description
Energy Assessments	Provides customers with a free energy assessment of their home and an energy efficiency starter kit including LED bulbs, a shower head, and more.
Energy Efficiency Education	Engages schoolchildren with a live in-school theatrical presentation regarding energy efficiency and allows children to receive a home energy efficiency kit.
Energy-Efficient Appliances and Devices	The Company provides incentives for customers to install energy-efficient equipment. The program consists of measures related to lighting, and water heating and usage.
Income-Qualified Energy Efficiency and Weatherization Assistance	This program consists of three components to provide energy efficiency to low-income customers. Neighborhood Energy Saver targets neighborhoods considered low-income for participation based on third party and census data. Customers are provided with direct installation of equipment into the home to increase energy efficiency and comfort level. Energy efficiency education is also provided. The Weatherization and Equipment Replacement Program provides funds for weatherization measures and/or heating system replacement. The Refrigerator Replacement Program includes replacement of inefficient operable refrigerators in low-income households.
Multi-Family Energy Efficiency	Targeted at getting lighting- and water-efficient equipment installed in multi-family properties. The program offers LEDs including A-Line, Globes and Candelabra bulbs and energy efficient water measures such as bath and kitchen faucet aerators, water-saving shower heads, and pipe wrap.
My Home Energy Report	A periodic report is sent to customers to engage them around their energy usage by providing them with a comparison to similar customers. The report also provides customers with actionable energy-saving tips.
Smart $aver® Energy Efficiency	This program offers measures to reduce energy consumption in the home. Incentives are available for HVAC, smart thermostats, attic insulation/air sealing, duct sealing, variable speed pool pumps, and heat pump water heaters. Rebates range from $100 - $450.
Power Manager	Program provides customers with a financial incentive to allow the Company to interrupt or cycle a customer's air conditioner during peak events. Participants will receive a total of $32 in bill credits each year.
Time-of-Use Rate	Under this rate, participants pay a higher rate during times of the day when demand for electricity is higher, and a lower rate during times when demand is lower.
Online Resources	Online tools and tips including energy calculators.

Duke Energy Carolinas

The following table lists commercial/industrial incentives for Duke Energy Carolinas customers.

Program	Description
Non-Residential Smart $aver® Prescriptive Program	Financial incentives for customers to install energy efficient equipment. The prescriptive program includes specific incentives for food service, HVAC, information technologies, lighting, process equipment, and pumps and drives.
Non-Residential Smart $aver® Custom Program	Financial incentives for customers to install energy-efficient equipment that is outside of the Company's prescriptive programs. It is designed to give customers flexibility and incentives based on a specific customer application. Incentives range from 25 to 150 percent of the project's annual electric savings.
Non-Residential Smart $aver® Custom Energy Assessments	Financial incentives for a customer to undertake an energy assessment that can be used to identify projects and help them through the custom application process. Participants receive up to a 50 percent subsidy of assessment costs.
Non-Residential Smart $aver® Performance Incentive	Financial assistance to customers to enhance their ability to adopt and install cost-effective electrical energy efficiency projects. Incentive payments are provided to offset a portion of the higher cost of energy efficient installations that are not eligible under the prescriptive and custom programs. Incentives are based on actual measure performance.
Small Business Energy Saver	Targeted to provide small business customers with the installation of energy efficiency measures. Through this program, the business will receive up to 80 percent coverage on lighting and refrigeration improvements and up to 10 percent on HVAC upgrades.
PowerShare®	Through this series of programs, the Company provides customers with financial incentives for the ability to require a customer to shed load during peak events. Incentives can total up to 8 percent or more off a monthly bill.
EnergyWise® Business	This program provides customers with a financial incentive to allow the Company to cycle customers' air conditioner or heat pumps using either a Wi-Fi thermostat or load control switch during peak events. Participants choose the operation level. Incentives range from $25 to $135.
Online Resources	Online tools and tips including energy calculators.

Duke Energy Progress

The following table lists residential incentives for Duke Energy Progress customers.

Program	Description
Residential Smart $aver® Energy Efficiency	This program offers measures to reduce energy consumption in the home. Incentives are available for HVAC, air conditioning, heat pumps, Smart Thermostats, attic insulation and sealing, duct sealing, variable speed pool pumps, and heat pump water heaters. Rebates range from $100 - $450.
Residential New Construction	Company provides financial incentives to builders to build new homes to a high efficiency standard.
Neighborhood Energy Saver Program (Low-Income)	Program uses neighborhood engagements to educate low-income customers and directly install low-cost measures such as efficient lighting, refrigeration, air infiltration, and HVAC in homes in a targeted neighborhood.
My Home Energy Report	A periodic report is sent to customers to engage them around their energy usage by providing them with a comparison to similar customers and with actionable energy-saving tips.
Multi-Family Energy Efficiency Program	Targeted at getting lighting- and water-efficient measures installed in multi-family properties. The program offers LEDs including A-Line, Globes and Candelabra bulbs and energy efficient water measures such as bath and kitchen faucet aerators, water-saving shower heads and pipe wrap.
Energy Efficiency Education	Engages schoolchildren with a live in-school theatrical presentation regarding energy efficiency and allows children the opportunity to receive a home energy efficiency kit.
Residential Energy Assessments	Provides customers with a FREE energy assessment of their home and an energy efficiency starter kit including LED bulbs, a low-flow shower head, and more.
Energy Efficient Appliances and Devices	Customers receive a free kit that includes water efficiency measures for those with electric water heaters. Additionally, through the Online Savings Store, customers can purchase items such as air purifiers, dehumidifiers, and LED fixtures.
EnergyWise® Home Program	Program provides customers with a financial incentive to allow Duke Energy Progress to cycle their air conditioner during peak events. Participants receive a $25 annual credit on their energy bill.
Online Resources	Online tools and tips including energy calculators.
Time-of-Use Rate	Under this rate, participants pay a higher rate during times of the day when demand for electricity is higher and a lower rate during times when demand is lower.

Duke Energy Progress

The following table lists commercial/industrial incentives for Duke Energy Progress customers.

Program	Description
Non-Residential Smart $aver® Energy Efficient Products and Assessment	Financial incentives for customers to install energy-efficient lighting, HVAC equipment, and refrigeration measures and equipment. The program consists of both prescriptive and custom incentives. Energy assessments and design assistance are also available.
Non-Residential Smart $aver® Performance Incentive	Financial assistance to customers to enhance their ability to adopt and install cost-effective electrical energy efficiency projects. Incentive payments are provided to offset a portion of the higher cost of energy efficient installations that are not eligible under the prescriptive and custom programs. Incentives are based on actual measure performance.
Small Business Energy Saver	Targeted to provide small-business customers with an audit of their facilities and the ability to have lighting, heating, and cooling measures installed. The program also includes incentives and payment options for any costs to install energy efficiency measures. Coverage for up to 80 percent on lighting and refrigeration improvements and up to 10 percent on HVAC upgrades.
Commercial, Industrial, and Governmental Demand Response Automation Program	The Company provides customers with financial incentives for the ability to require a customer to shed load during peak events.
Time-of-Use Rate	Under this rate participants pay a higher rate during times of the day when demand for electricity is higher and a lower rate during times when demand is lower.
EnergyWise® Business	Program provides customers with a financial incentive to allow the Company to cycle customers' air conditioner or heat pump using either a Wi-Fi thermostat or load control switch during peak events. Incentives range from $25 - $135.
Online Resources	Online tools and tips including energy calculators.

Duke Energy Progress

The following table lists combined residential/non-residential incentives for Duke Energy Progress customers.

Program	Description
Energy Efficient Lighting	Financial incentives for customers to install energy-efficient lighting and fixtures. The program provides incentives in the form of discounts applied at retail stores and online.
Distribution System Demand Response (DSDR)	This program provides the capability to reduce peak demand while maintaining customer-delivery voltage above the minimum requirement.

DESC

The following table lists residential incentives for DESC customers.

Program	Description
Energy Saver/Conservation Rate	Homeowners will be on a reduced electric rate when existing homes are upgraded and new homes are built with a high level of energy efficiency.
Seasonal Rates	Many of DESC's rates are designed with components that vary by season. Energy provided in the peak usage season is charged a premium to encourage conservation and efficient use.
Residential Home Energy Reports	Free monthly/bi-monthly reports comparing a customer's energy usage to a peer group and providing household information to help identify, analyze, and act upon potential energy efficiency measures and behaviors.
Residential Home Energy Check-up	Free in-home visual energy assessment performed by DESC staff with a leave-behind energy efficiency kit consisting of LED bulbs, water heater tank wrap, and pipe insulation, as appropriate.
Residential ENERGY STAR® Lighting	Provides deep discounts on ENERGY STAR® qualified lighting products through their online store and lighting kits at various business office locations and via direct mail.
Residential Heating & Cooling Program	Incentives for the purchase of new ENERGY STAR® qualified HVAC equipment in existing homes. Incentives to encourage improvements in the efficiency of existing air conditioning and heat pump systems through complete duct replacements, duct insulation, and duct sealing are also available. Rebates range from $150 - $500.
Neighborhood Energy Efficiency Program	Provides income-qualified customers energy efficiency education— an in-home energy assessment and direct installation of low-cost energy saving measures delivered in a neighborhood door-to-door sweep approach.
Natural Gas Rebates	Bill credits for installing natural gas equipment and for converting to natural gas. Incentives range from $50 - $200.
Appliance Recycling Program	$50 incentive for allowing DESC to collect and recycle less efficient, but operable, secondary refrigerators and/or standalone freezers, which permanently removes the units from service.
Online Resources	Online tools and tips including energy calculators.

DESC

The following table lists commercial/industrial incentives for DESC customers.

Program	Description
EnergyWise for Your Business Program	Incentives for non-residential customers to become more energy efficient and invest in high efficiency lighting and fixtures, high efficiency motors, and other equipment. There is also a custom incentive path based on calculated efficiency benefits.
Small Business Energy Solutions Program	Turnkey program tailored to help owners of small businesses and non-profits manage their energy costs by providing education and incentives for energy-efficient lighting and refrigeration upgrades. Free on-site energy analysis completed. Financial incentives cover up to 80 percent of the cost not to exceed $6,000 for recommended energy efficiency measures.
Standby Generator Program	For wholesale customers. Provides about 25 megawatts of peaking capacity that can be called upon when reserve capacity is low on the system. A retail version of this program is also available that provides about 10 megawatts of additional capacity as needed.
Interruptible Load Program	Participating customers receive a discount on their demand charges for shedding load when DESC is short on capacity. Incentives range from $2.75 per kW to $4.50 per kW.
Real Time Pricing Rate	During peak usage periods throughout the year when capacity is low in the market, participants receive a high price signal that encourages conservation and load shifting. During low usage periods, prices are lower.
Online Resources	Online tools and tips including energy calculators.

The following table lists combined residential/non-residential incentives for DESC customers.

Program	Description
Time-of-Use Rate	Participants are charged higher rates during peak-usage periods and lower charges during off-peak periods to encourage customers to conserve energy during peak periods.

Santee Cooper

The following table lists residential incentives for Santee Cooper customers.

Program	Description
Smart Energy Loans	Loan program for financing energy efficient improvements (up to $20,000) and renewable energy resources (up to $40,000).
Smart Energy Existing Homes	This program offers home energy evaluations, incentive rebates, and financial assistance for energy efficiency improvements. Heat pump, smart thermostat, duct replacement, and heat pump water heater rebates are available.
Equipment and Lighting Incentives	LED bulbs are given out through retail offices and Home Energy House Calls.
Smart Energy New Homes	Rebates for home builders based on Home Energy Rating System ratings.
Time-of-Use Rate	Participants are charged higher rates during peak-usage periods and lower charges during off-peak periods to encourage customers to conserve energy during peak periods.
Onsite Energy Assessments	Free energy assessments to residential customers upon request.
Public Information Programs	Program elements include web-based customer tips, direct-to-customer communications and public campaigns.
School Programs & Resources	This program includes the Energy Educators Institute, educational publications, the Solar Schools' Project/Conservation and Energy Curriculum, E-SMART Kids and environmental bookmarks.

Santee Cooper

The following table lists commercial/industrial incentives for Santee Cooper customers.

Program	Description
Commercial Prescriptive	Rebates for qualified lighting components.
Commercial Custom	Rebates tailored specifically to provide unique energy-saving initiatives on a business-by-business basis. Rebates range from $0.05 to $0.25 per kWh saved, with a maximum rebate of $200,000 per facility per calendar year.
Commercial Small Business Direct Install Program	Through this program, small businesses receive a free energy assessment. After the assessment install lighting or refrigeration equipment upgrades. Santee Cooper will pay a portion of the project cost.
Onsite Energy Assessments	Free energy assessments to commercial customers upon request.
Interruptible Service Rate	The large general service rate is designed with an interruptible service clause.
Time-of-Use Rate	Participants are charged higher rates during peak-usage periods and lower charges during off-peak periods to encourage customers to conserve energy during peak periods.
Seasonal Rate	This is a rate designed for businesses that operate on a seasonal basis.
Energy Savings Tips	Online energy saving tips.

Lockhart Power Company

The following table lists residential incentives for Lockhart Power Company customers.

Program	Description
Standard Residential Rate	This rate has an inclining feature. A higher rate is charged for usage above 1,000 kWh each month.

The following table lists commercial/industrial incentives for Lockhart Power Company customers.

Program	Description
Industrial Interruptible Service Rate (IS-1)	Customer agrees, at the Company's request, to reduce and maintain its load at or below the level specified in the individual contract.

Aiken Electric Cooperative

The following table lists residential incentives for Aiken Electric Cooperative customers.

Program	Description
H2O Select	Incentives: Free high efficiency water heater; $200 installation fee. Water heater and timer with normal installation: $2.50 per month credit for 10 years. Timer only: $200 cash payment and $2.50 per month credit for 10 years. New construction contract home: $250.
Help My House	Members receive an energy efficiency audit that will identify improvements needed. A zero-down, low-interest loan can then be used to finance any needed upgrades. Monthly loan payments are included in the power bill.
Home Energy Savings – Energy Tips	Online energy-saving tips.

Berkeley Electric Cooperative

The following table lists residential incentives for Berkeley Electric Cooperative customers.

Program	Description
Earth Connect Geothermal Heat Pump	Geothermal heat pump rebate of $250 per ton.
Dual-Fuel Heating System	New Dual-Fuel Systems that replace gas heat qualify for rebates up to $500/home.
H_2O Advantage	Water Heater rebates ranging from $200 - $400 for new electric water heaters with a load management switch.
Home Advantage Loan Program	A five percent interest rate loan, up to $15,000, for energy efficiency home improvements to existing homes. Measures with a high return will be prioritized. These include items such as infiltration improvement, duct work leakage, air flow improvement, insulation upgrades, and HVAC unit upgrades. The loan payment will be added to the electric bill.
Energy Advance Loan	Loan to help finance energy improvements from caulking and weather-stripping to heat pumps. Loans range from $500 to $20,000 with a seven-year loan limit. Loan payments will be included on the member's monthly electric bill.
Energy Audit	A team of accredited auditors are available to help customers save money at their home or business at no cost.
Time-of-Day Rate	Voluntary program that rewards members with lower electric rate for shifting energy intensive tasks – such as laundry, cooking and heating/cooling – away from peak hours.

Black River Electric Cooperative

The following table lists residential incentives for Black River Electric Cooperative customers.

Program	Description
Energy Efficiency Tips	Online energy saving tips.
Help My House	Members are able to finance home energy improvements and make payments through their electric bill.

Blue Ridge Electric Cooperative

The following table lists residential incentives for Blue Ridge Electric Cooperative customers.

Program	Description
H_2O Select	Water heater rebates ranging from $200 - $600.
Heat Pump Loan Program	Heat pump loans ranging from $1,000 - $15,000.
Energy Savings Tips	Online tools and tips.

Broad River Electric Cooperative

The following table lists residential incentives for Broad River Electric Cooperative customers.

Program	Description
Energy Efficiency Rate	Alternative electric rate available to buildings with certain energy efficiency measures that address insulation, windows, outside doors, water heaters, fireplace/chimney, attic ventilation, and HVAC.

Coastal Electric Cooperative

The following table lists residential incentives for Coastal Electric Cooperative customers.

Program	Description
Home Energy Checkup	This is a free home checkup where a trained Coastal Electric Member Services Advisor examines the energy efficiency of the entire home. A detailed report will be completed indicating problem areas with recommendations explaining steps that can be taken to reduce energy costs.
Energy Advance	Loan program to assist with items such as high efficiency heat pumps, insulation, programmable thermostats and more. The loan payment is applied to the electric bill.
H_2O Select	Through this program a load management device can be added to your existing water heater to reduce energy demand, or you can receive financing for a new water heater.
Energy Conservation Tools and Tips	Online tools and tips.

Edisto Electric Cooperative

The following table lists residential incentives for Edisto Electric Cooperative customers.

Program	Description
Energy Saving Tools and Tips	Online energy tips.
Do-It-Yourself Energy Audit	Booklet of articles, suggestions, and methods to reduce electricity usage.

Fairfield Electric Cooperative

The following table lists residential incentives for Fairfield Electric Cooperative customers.

Program	Description
H_2O Select	The cooperative will replace an old water heater with a 50-gallon high efficiency water heater and enroll you in a $3 per month water heater maintenance program. A $200 installation fee is required.
Energy Tips	Online energy tips.
Energy Experts	Energy Experts are available to answer questions concerning energy efficiency. Education programs for schools and civic groups are also available.

Horry Electric Cooperative

The following table lists residential incentives for Horry Electric Cooperative customers.

Program	Description
H_2O Select	The cooperative offers rebates of $125 and $250 for new qualifying water heaters with a load control unit. No-interest financing, with zero upfront cost is also available.
H_2O Load Management	Members with existing water heaters less than five years of age who install a load management device receive a one-time $50 electric bill credit.
Guide to Energy Savings	Online energy tools and tips.

Laurens Electric Cooperative

The following table lists residential and commercial/industrial incentives for Laurens Electric Cooperative customers.

Program	Description
Energy Star Rate Schedule	This is a separate energy efficiency rate for members with standard residential service with homes that meet Energy Star requirements.
Home Rewards Program	Residential members who live in single-family homes receive cash back for making energy-efficiency improvements to their homes. Rebates for HVAC upgrades, ductwork, attic insulation, and dual-fuel heat pumps are available ranging from $75 - $500.
Commercial and Industrial Lighting Upgrade Incentive	Incentive to reduce the purchase price of premium, reliable, energy-efficient lighting products. Reimbursement of up to 10% of the total project cost with a cap of $2,000.

Little River Electric Cooperative

The following table lists residential incentives for Little River Electric Cooperative customers.

Program	Description
Help My House	Members are able to finance home energy improvements and make payments through their electric bill.

Lynches River Electric Cooperative

The following table lists residential incentives for Lynches River Electric Cooperative customers.

Program	Description
H_2O Select	Members receive a new water heater with no installation costs and a ten-year warranty for $7 a month.
Energy Tools and Tips	Online tools and tips.

Marlboro Electric Cooperative

The following table lists residential incentives for Marlboro Electric Cooperative customers.

Program	Description
Energy Tips	Online energy tips.

Mid-Carolina Electric Cooperative

The following table lists residential incentives for Mid-Carolina Electric Cooperative customers.

Program	Description
H_2O Select	This program provides 100% financing with no interest or finance charges to pay for installing new standard high efficiency electric water heaters in existing homes.
Energy Tips	Online energy tips.

Palmetto Electric Cooperative

The following table lists residential incentives for Palmetto Electric Cooperative customers.

Program	Description
Buried Treasure Rebate Program	$200 per ton rebate for ground-source heat pumps.
Dual-Fuel Heat Pumps	$500 rebate per system.
H_2O Select ®	Replace your water heater with a new model and get a rebate up to $350.

Pee Dee Electric Cooperative

The following table lists residential and commercial/industrial incentives for Pee Dee Electric Cooperative customers.

Program	Description
Energy Resource Conservation Loan	Five percent interest rate loan for items such as geothermal heat pumps, heat pumps, programmable thermostats, caulking/weather-stripping, building insulation, windows, doors. The maximum loan amount is $5,000.
H_2O Select	A water heater rebate program for installing new, high efficiency, electric water heaters in existing or new construction homes. Rebates range from $200 to $250. A control switch will also be installed at no cost.
Dual Fuel	$500 rebate when a dual-fuel heat pump is installed.
Energy Experts & Audits	Energy experts can go over a customer's bill and usage over the phone or perform an in-home energy audit.
Geothermal Heat Pump	Receive a rebate for a ground-source heat pump. The rebate is $200 per ton up to a maximum of $1,000.
Commercial Lighting Incentive	A non-residential incentive for the installation of new energy efficient equipment. Projects are eligible for an incentive up to 25 percent of the total project cost with a maximum of $7,500 per member per year.

Santee Electric Cooperative

The following table lists residential incentives for Santee Electric Cooperative customers.

Program	Description
Energy Audits	Energy Experts are available to answer questions about energy efficiency. If requested, they are also available to perform an Energy Audit and recommend improvements.
H_2O Select	Members that purchase and install a new large capacity electric water heater that meets co-op approval and includes a Santee Electric installed load management device receive a $200 rebate.
Help My House	Members receive a FREE home energy audit, choose a contractor to make energy improvements, finance the improvements with a low-interest loan, and pay for the improvements on the monthly electric bill.
Energy Saving Tools and Tips	Online energy tools and tips.

Tri-County Electric Cooperative

The following table lists residential incentives for Tri-County Electric Cooperative customers.

Program	Description
Help My House	Members receive a FREE home energy audit, choose a contractor to make energy improvements, finance the improvements with a low-interest loan, and pay for the improvements on the monthly electric bill.
Residential and Commercial Energy Efficiency Tools and Tips	Online energy tools and tips.

York Electric Cooperative

The following table lists energy incentives for York Electric Cooperative customers.

Program	Description
Dual-Fuel Heat Pump Rebate	A $700 rebate is available for installation of a Dual-Fuel Heat Pump as well as $200 for additional units.
Power Saver Rewards	This program uses a device to cycle the flow of power to central air conditioners during times of high demand for electricity. Incentive: $20 bill credit and $5 per summer month. An additional unit can be added for an additional $3 per summer month incentive.
Energy Audit Program	At a resident's request, personnel will visit homes and advise on improvements that can result in both energy and financial savings.
Energy Tips	Online energy tips.

City of Abbeville

The following table lists energy incentives for City of Abbeville customers.

Program	Description
Online "Energy Depot" Toolkit	This website includes a personalized energy profile, energy reduction tips, do-it-yourself energy audit, and more.

City of Clinton

The following table lists energy incentives for City of Clinton customers.

Program	Description
Green Grid Rewards	Participants will receive fiber/radio-controlled switches for their air conditioner so the energy can be managed during peak-demand periods. They also will be placed on the Green Rewards Rate which will typically allow a savings of $25-$50 per year and receive a $25 restaurant gift certificate.
Online "Energy Depot" Toolkit	This website includes a personalized energy profile, energy reduction tips, do-it-yourself energy audit, and more.

City of Georgetown

The following table lists energy incentives for City of Georgetown customers.

Program	Description
Consumption Audits for Residential Customers	Customers with unusually high electric energy consumption will be contacted to determine if they are interested in this program. An energy audit is conducted and ways to reduce energy consumption are identified.
Santee Cooper Smart Energy Home Program	Low-interest loans with no down payment for HVAC units, weatherization, smart thermostats, and water heaters. Payment is added to the electric bill.

City of Rock Hill

The following table lists energy incentives for City of Rock Hill customers.

Program	Description
Smart Choice Program	This program provides rebates or low-interest financing for the installation of high efficiency heat pumps and water heaters. Program participants also are eligible for the City's lowest residential electric rate schedule. Rebates range from $225 - $400. Financing is available for electric heat pump installations at an interest rate of 6 percent for a maximum of 60 months.
Smart Switches	Smart Switches are devices that control the flow of electricity to major appliances (water heater, air conditioner, or swimming pool pump) during times of peak demand, normally June through September. Customers with Smart Switches are entered into a drawing for a $100 utility bill credit at each City Council meeting.
Energy Conservation Tools and Tips	Online energy tools and tips.
Energy Management Consultation	The City of Rock Hill is available to provide consultation regarding energy management programs for its commercial and industrial consumers. For more information about energy management services, call 803-329-5500.

City of Union

The following table lists energy incentives for City of Union customers.

Program	Description
Conservation Tips	Online energy tips.
Online "Energy Depot" Toolkit	This website includes a personalized energy profile, energy reduction tips, do-it-yourself energy audit, and more.

City of Westminster

The following table lists energy incentives for City of Westminster customers.

Program	Description
Online "Energy Depot" Toolkit	This website includes a personalized energy profile, energy reduction tips, do-it-yourself energy audit, and more.
Energy Saving Tips	Online energy tips.

Easley Combined Utilities

The following table lists energy incentives for Easley Combined Utilities customers.

Program	Description
Load Management Program	This program helps reduce the amount of energy needed during peak hours. Participants allow the utility to install a load management device on their HVAC unit. The customer receives a one-time $20 account credit and will be placed on the Load Management Program Residential Rate.
Online "Energy Depot" Toolkit	This website includes a personalized energy profile, energy reduction tips, do-it-yourself energy audit, and more.

Gaffney Board of Public Works

The following table lists energy incentives for Gaffney Board of Public Works customers.

Program	Description
Conservation Tips	Online energy tools and tips.

McCormick Commission of Public Works

The following table lists energy incentives for McCormick Commission of Public Works customers.

Program	Description
Conservation Tips	Online energy tools and tips.

Seneca Light & Water

The following table lists energy incentives for Seneca Light & Water customers.

Program	Description
Electricity Tips	Online energy tools and tips.

Piedmont Natural Gas Company

The following table lists energy incentives for Piedmont Natural Gas Company customers.

Program	Description
Natural Gas Appliance Rebates	Provides rebates to customers who purchase and install qualifying high efficiency natural gas equipment to replace existing natural gas equipment. Rebates range from $50 to $300.
Energy Saving Tools and Tips	Online energy tools and tips.

Bamberg Board of Public Works

The following table lists energy incentives for Bamberg Board of Public Works customers.

Program	Description
Energy Saving Tips	Online energy tips.

Chester County Natural Gas Authority

The following table lists energy incentives for Chester County Natural Gas Authority customers.

Program	Description
Appliance Rebate Program	Customers receive appliance rebates through this program. Rebates range from $50 - $400.
Water Heater Program	Chester County Natural Gas Authority will furnish customers with a free 40-gallon water heater to replace an electric water heater.
Rate 1	Customers with primary natural gas heating, natural gas water heater, natural gas dryer, and one natural gas appliance qualify. This rate allows customers to pay 3% less per therm than the regular rate.
Energy Saving Tips	Online energy tips.

City of Union Utility Department

The following table lists energy incentives for City of Union Utility Department customers.

Program	Description
Natural Gas Rebate	A $300 rebate if a meter and year-round appliances are installed within six months of service line installation.

Clinton-Newberry Natural Gas Authority

The following table lists energy incentives for Clinton-Newberry Natural Gas Authority customers.

Program	Description
Energy Saving Tips	Online energy tips.

Fort Hill Natural Gas Authority

The following table lists energy incentives for Fort Hill Natural Gas Authority customers.

Program	Description
Appliance Rebates	For customers purchasing new natural gas appliances. Receive a rebate ranging from $100 - $350.
Energy Tips	Online energy tips.

Fountain Inn Natural Gas

The following table lists energy incentives for Fountain Inn Natural Gas customers.

Program	Description
Energy Saving Tips	Online energy tips.

Greenwood Commissioners of Public Works

The following table lists energy incentives for Greenwood Commissioners of Public Works customers.

Program	Description
Policy for Promotion of Natural Gas Usage by Residential Owners and Builders	Incentives for installing natural gas appliances, replacing existing appliances with natural gas, using natural gas as the primary heat source, and installing a natural gas water heater. Incentives range from $50 to $450.

Greer Commission of Public Works

The following table lists energy incentives for Greer Commission of Public Works customers.

Program	Description
Electricity Conservation Tips	Energy saving tips and resource links.
Natural Gas Conservation Tips	Tips to conserve and save on natural gas bills and links to resources.
Natural Gas Rebate Program	Rebate program for customers who convert to natural gas and new installs. The rebate is $400.

Lancaster County Natural Gas Authority

The following table lists energy incentives for Lancaster County Natural Gas Authority customers.

Program	Description
Energy Tips	Online energy tips.

Laurens Commission of Public Works

The following table lists energy incentives for Laurens Commission of Public Works customers.

Program	Description
Green Grid Reward	The rate is offered to incentivize the use of switches to control air conditioning and heat pumps during high electricity-demand periods. Customers in this program receive the lowest electric rate.
Blue Star-Switch to Gas	Residents receive a bill credit for installing natural gas appliances. Bill credits range from $75 to $450.
Ways to Save	Online electricity and natural gas tips.

Orangeburg Department of Public Utilities

The following table lists energy incentives for Orangeburg Department of Public Utilities customers.

Program	Description
Natural Gas Rebate Program	This program offers rebates to residential customers installing new natural gas appliances, replacing electric appliances with natural gas, or converting gas appliances from propane to natural gas. Rebates range from $90 - $250.
Interruptible Rates	Favorable rates are offered for interruptible-service customers.

York County Natural Gas

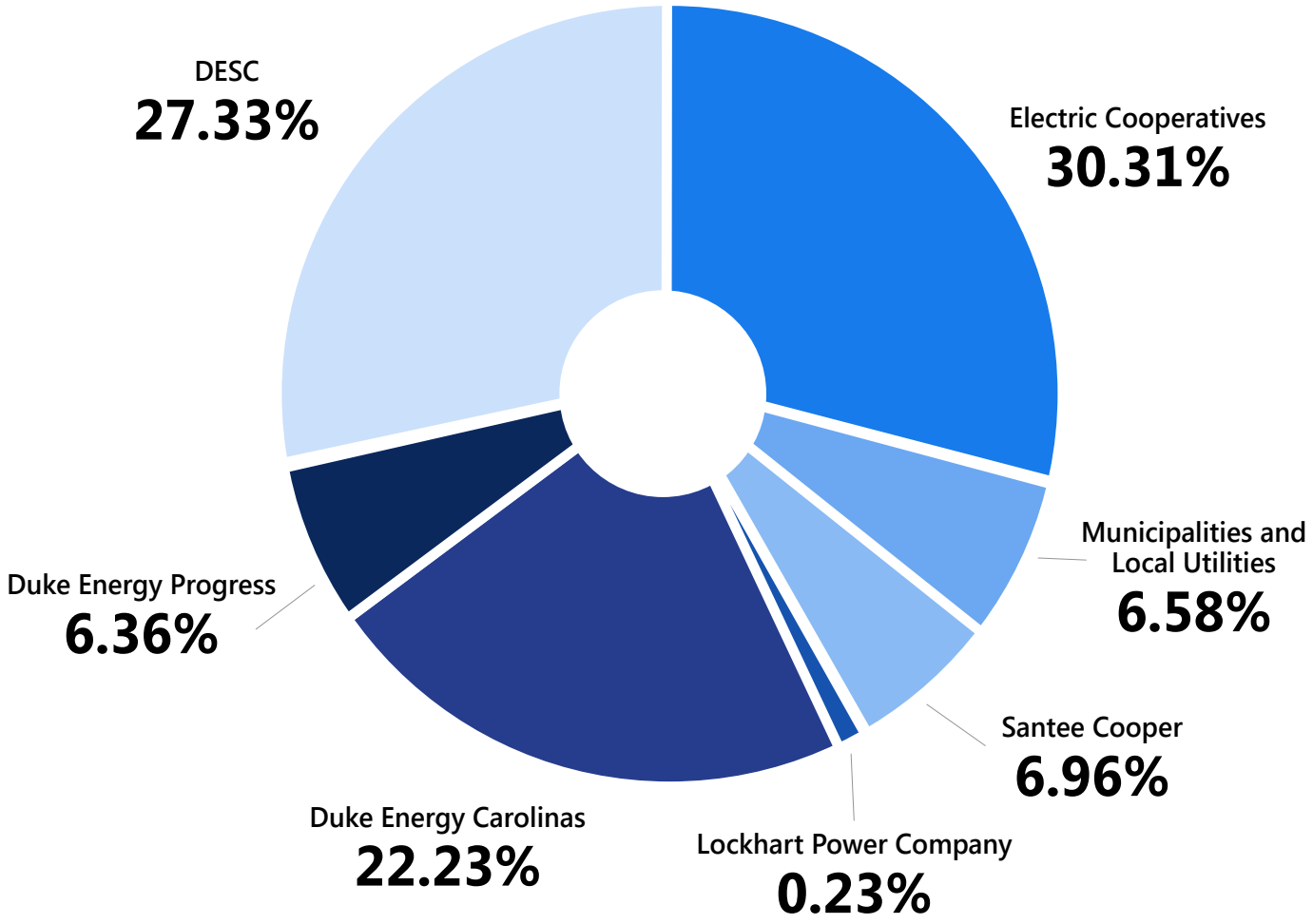
The following table lists energy incentives for York County Natural Gas customers.

Program	Description
Residential Rebate Program	This program is offered to customers converting eligible appliances to natural gas. The rebates will be credited to a customer's gas account or used to reduce the cost of new appliance purchases. Rebates range from $50 to a total of $925.

APPENDIX C

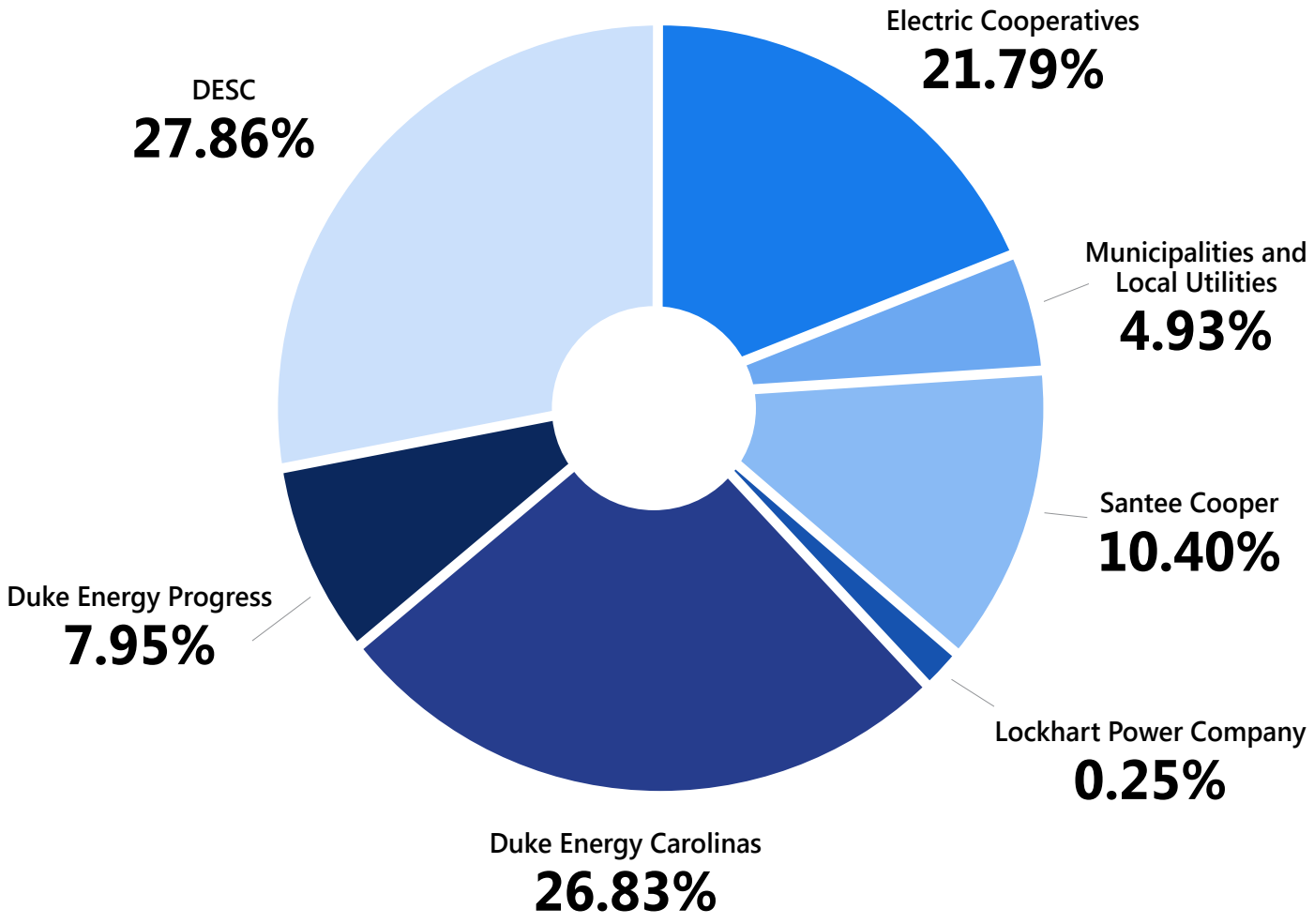
South Carolina Electric and Natural Gas Distribution Utility Market Share

2018 Electric Distribution Utility Market Share
Number of Customers



Source: U.S. Energy Information Administration, "Electric power sales, revenue, and energy efficiency Form EIA-861 detailed data files" https://www.eia.gov/electricity/data/eia861/index.html

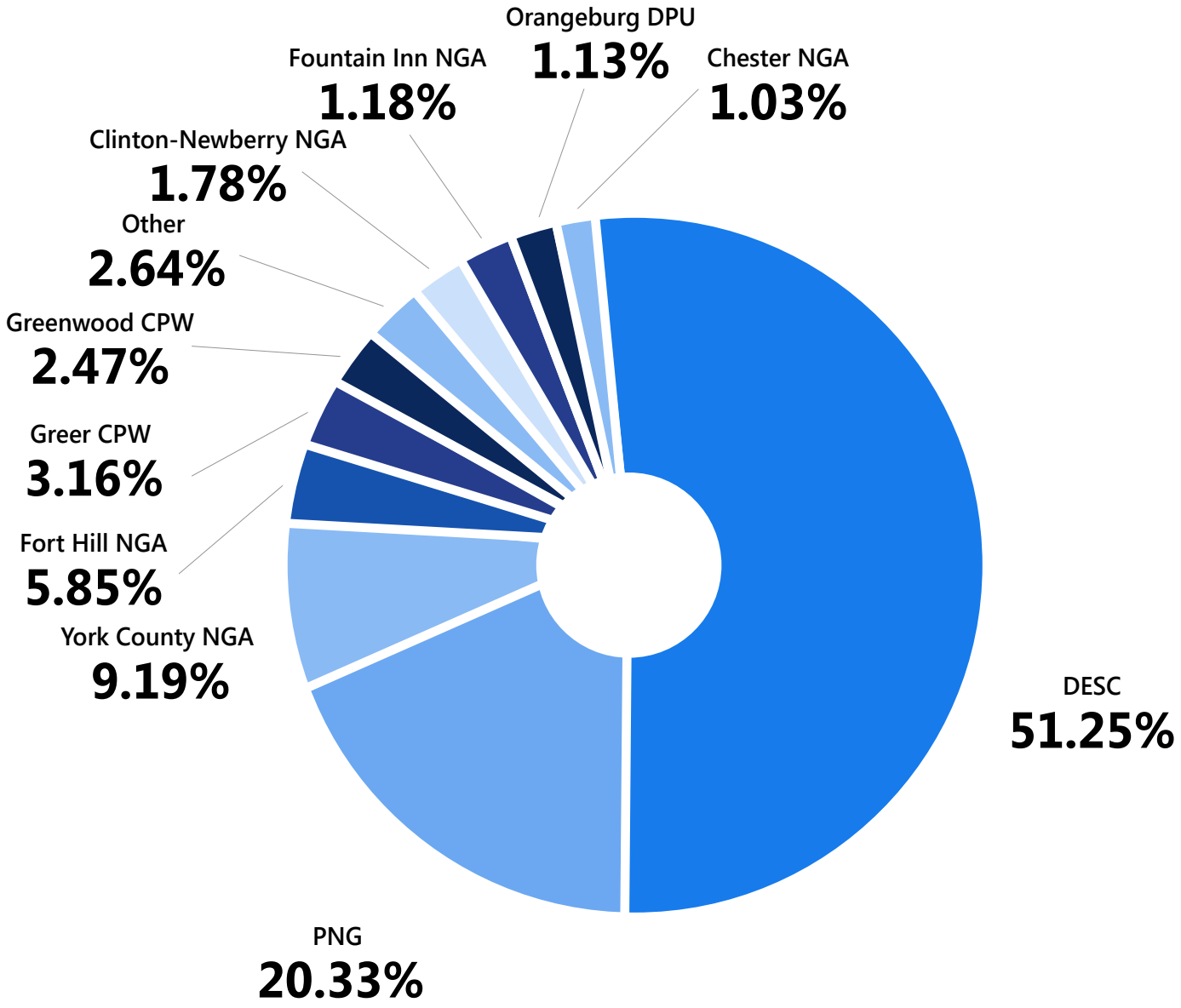
2018 Electric Distribution Utility Market Share
Sales, in Megawatt-hours



Source: U.S. Energy Information Administration, "Electric power sales, revenue, and energy efficiency Form EIA-861 detailed data files" https://www.eia.gov/electricity/data/eia861/index.html

2018 Natural Gas Distribution Utility Market Share

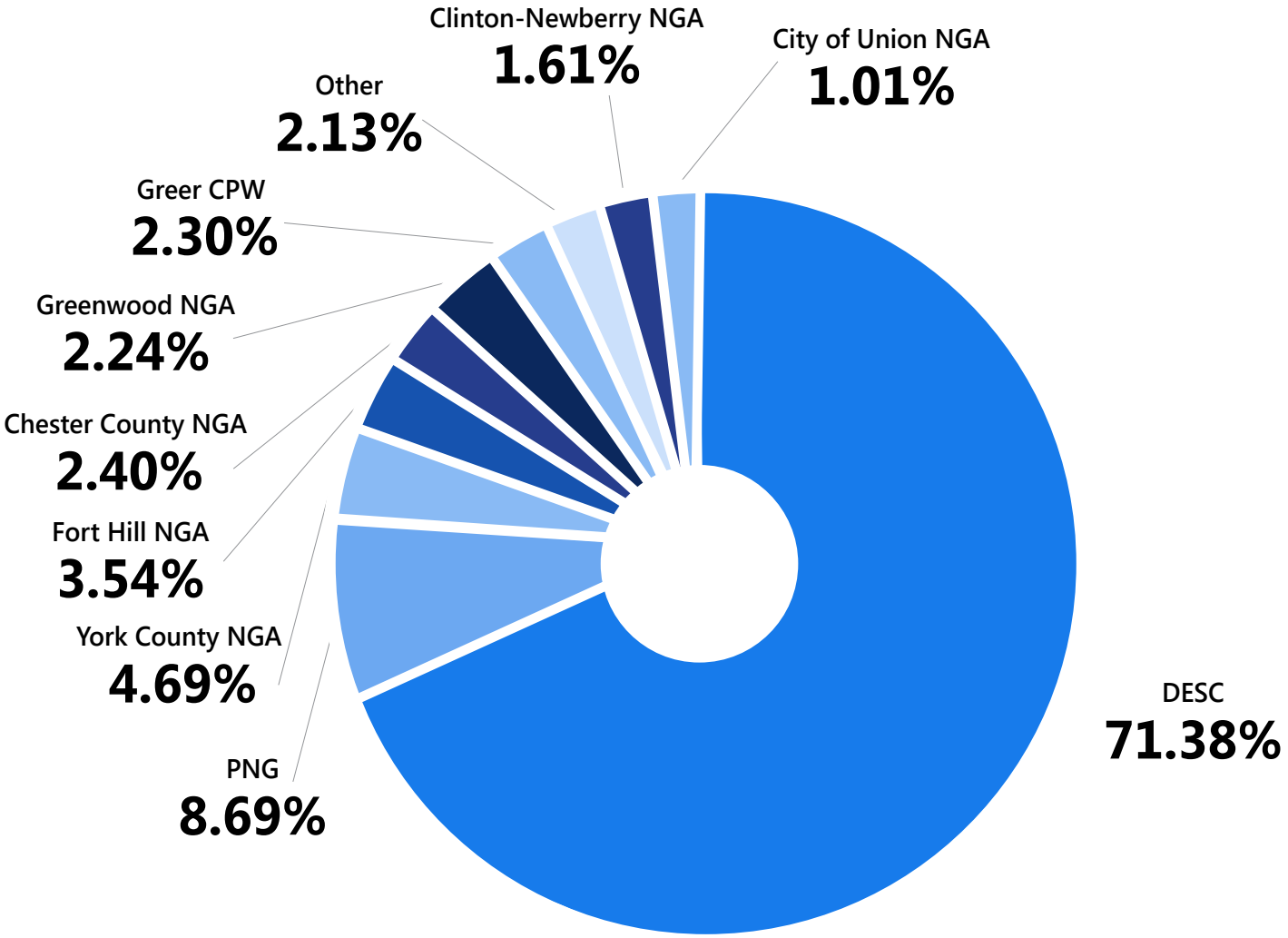
Number of Customers



Source: U.S. Energy Information Administration, Natural Gas Annual Respondent Query System (EIA-176 Data through 2016)

www.eia.gov/electricity/data/eia861

2018 Natural Gas Distribution Utility Market Share
Sales, in Thousand Cubic Feet



Source: U.S. Energy Information Administration, Natural Gas Annual Respondent Query System (EIA-176 Data through 2016), www.eia.gov/cfapps/ngqs/ngqs.cfm?f_report=RP4&f_sortby=&f_items=&f_year_start=&f_year_end=&f_show_compid

APPENDIX D

PURPA Qualifying Facilities

The Public Utilities Regulatory Policies Act of 1978 (PURPA) enables end users who generate power for their facilities to make any excess power available to the electric utilities supplying those users. PURPA also allows private companies to generate and to supply electricity to utilities if that power is generated using approved energy resources. "Qualifying facilities", as defined by PURPA, include both 1) small power production facilities using renewable fuel sources, such as wind, solar, hydroelectric, biomass, waste, or geothermal; and 2) cogeneration facilities that produce both electricity and thermal energy in a way that is more efficient than the separate production of both forms of energy. Utility companies are required to purchase power from qualifying facilities at a price equivalent to the avoided cost of additional generation. The purchase of electricity from qualifying facilities and other customer-owned generation helps utilities to offset growth in overall and peak demand.

Qualifying facilities are classified into two categories: 1) purchase, meaning that utilities purchase the power generated; and 2) displace, meaning that the power is used by the facility itself, displacing power that would otherwise be drawn from the electrical grid. As shown in the table below, qualifying facilities in South Carolina had the capacity to provide 1,614,899 kW of power as of October 31, 2019.

SOUTH CAROLINA INVESTOR OWNED UTILITIES
COGENERATION/SMALL POWER PRODUCERS PURCHASED UNDER PURPA

Utility	Project (formerly Plant Name)	Owner (formerly Plant Owner)	Location	Type Fuel	Rate Schedule	Purchase/ Displace	Planned/ Operate	Capacity kW
DEP	Darlington Solar LLC - Solar*	Darlington Solar LLC	Darlington	Solar	Negotiated (SC)	Purchase	Operating	10,000
DEP	RockTenn CP, LLC - Biomass*	RockTenn CP, LLC	Florence	Biomass	Negotiated (SC)	Purchase	Operating	10,000
DEP	Freedom Solar, LLC - Solar*	Freedom Solar, LLC	Nichols	Solar	Negotiated (SC)	Purchase	Operating	5,000
DEP	Watauga Solar, LLC - Solar*	Watauga Solar, LLC	Society Hill	Solar	PP	Purchase	Operating	2,000
DEP	Willis Solar, LLC- Solar*	Willis Solar, LLC- Solar*	Pamplico	Solar	PP	Purchase	Planned	2,000
DEP	Bond Solar, LLC - Solar*	Bond Solar, LLC	Summerton	Solar	PP	Purchase	Operating	2,000
DEP	South Solar LLC - Solar*	South Solar LLC	Pamplico	Solar	PP	Purchase	Operating	2,000
DEP	Blacktip Solar LLC - Solar*	Blacktip Solar LLC	Scranton	Solar	PP	Purchase	Operating	2,000
DEP	Gary Solar, LLC - Solar*	Gary Solar, LLC	Bishopville	Solar	PP	Purchase	Operating	2,000
DEP	Goldenrod Solar LLC - Solar*	Goldenrod Solar LLC	Pamplico	Solar	PP	Purchase	Operating	2,000
DEP	Bloom Solar LLC - Solar*	Bloom Solar LLC	Summerton	Solar	PP	Purchase	Operating	2,000
DEP	Redwing Solar LLC - Solar*	Redwing Solar LLC	Darlington	Solar	PP	Purchase	Operating	2,000
DEP	Abbot Solar, LLC - Solar*	Abbot Solar, LLC	Manning	Solar	PP	Purchase	Operating	2,000
DEP	Sapphire Solar LLC - Solar*	Sapphire Solar LLC	Lake City	Solar	PP	Purchase	Operating	1,980
DEP	River Solar LLC - Solar*	River Solar LLC	Lynchburg	Solar	PP	Purchase	Operating	1,980
DEP	Vincent Solar LLC - Solar*	Vincent Solar LLC	Lynchburg	Solar	PP	Purchase	Operating	1,980
DEP	Jessamine Solar, LLC- Solar*	Jessamine Solar, LLC	Mullins	Solar	PP	Purchase	Operating	1,920
DEP	Sumter Heat and Power, LLC - Biomass	Sumter Heat and Power, LLC	Sumter	Biomass	PP	Purchase	Operating	1,546
DEP	DSM Nutritional Products LLC-Solar*	DSM Nutritional Products LLC-Solar*	Kingstree	Solar	PP	Purchase	Operating	998
DEP	Food Lion #2629 - Diesel*	Food Lion #2629	Elgin	Diesel	No Data	Purchase	Operating	400
DEP	Carter Hill Farms LLC (W H Bundy)-Solar*	Carter Hill Farms LLC (W H Bundy)-Solar*	Rembert	Solar	CSP	Purchase	Operating	50
DEP	Laney Development, Inc. - Solar	Laney Development, Inc.	Hartsville	Solar	Negotiated (SC)	Purchase	Operating	11
DEP	Eva Grey & James Anderson-Solar-Barn*	Eva Grey & James Anderson	Nichols	Solar	CSP	Purchase	Operating	6

Utility	Project (formerly Plant Name)	Owner (formerly Plant Owner)	Location	Type Fuel	Rate Schedule	Purchase/ Displace	Planned/ Operate	Capacity kW
DEP	Eva Grey & James Anderson-Solar-House*	Eva Grey & James Anderson	Nichols	Solar	CSP	Purchase	Operating	5
DEP	Darlington County Schools-Solar*	Darlington County Schools	Darlington	Solar	CSP	Purchase	Operating	5
Total								**55,881**

* denotes PURPA QF

Updated 10/31/19

SOUTH CAROLINA INVESTOR OWNED UTILITIES
COGENERATION/SMALL POWER PRODUCERS PURCHASED UNDER PURPA

Utility	Project (formerly Plant Name)	Owner (formerly Plant Owner)	Location	Type Fuel	Rate Schedule	Purchase/ Displace	Planned/ Operate	Capacity kW
DEC	Cherokee County Cogeneration Partners LP - Other*	Cherokee County Cogeneration Partners LP - NM	Gaffney	Natural Gas	Negotiated (SC)	Purchase	Operating	86,000
DEC	Northbrook Carolina Hydro II, LLC-Gaston Shoals	Northbrook Carolina Hydro II, LLC	Blacksburg	Hydroelectric	Negotiated (SC)	Purchase	Operating	8,500
DEC	Aquenergy Systems LLC-Ware Shoals-Hydroelectric	Aquenergy Systems, LLC - Ware Shoals	Ware Shoals	Hydroelectric	PP	Purchase	Operating	6,300
DEC	Cherokee Falls Hydroelectric, LLC-Hydro (BTM Broad River)	Cherokee Falls Hydroelectric Project, LLC	Blacksburg	Hydroelectric	PP	Purchase	Operating	4,140
DEC	Northbrook Carolina Hydro - Holliday's Bridge	Northbrook Carolina Hydro, LLC - Hollidays Bridge - Hydro - NM	Honea Path	Hydroelectric	PP	Purchase	Operating	3,500
DEC	Pelzer Hydro Company,LLC-Hydroelectric-Upper	Pelzer Hydro Company,LLC	Anderson	Hydroelectric	PP	Purchase	Operating	3,300
DEC	Greenville Gas Producer LLC-Landfill Gas	Greenville Gas Producer, LLC- NM	Greer	Biomass	PP	Purchase	Operating	3,200
DEC	Lockhart BioEnergy, LLC*	Lockhart BioEnergy, LLC	Enoree	Biomass	Negotiated (SC)	Purchase	Operating	3,200
DEC	Northbrook Carolina Hydro - Saluda- Hydro	Northbrook Carolina Hydro, LLC - Saluda- Hydro- NM	Greenville	Hydroelectric	PP	Purchase	Operating	2,400
DEC	Pelzer Hydro Company Hydroelectric, LLC- Lower - Hydroelectric	Pelzer Hydro Company, LLC	Williamston	Hydroelectric	PP	Purchase	Operating	2,020
DEC	Whitt Solar, LLC - Solar*	Whitt Solar, LLC	Piedmont	Solar	Negotiated (SC)	Purchase	Operating	2,000
DEC	ATOOD Solar II LLC*	ATOOD Solar II LLC	Cowpens	Solar	PP	Purchase	Operating	1,980
DEC	Lockhart Power Company - Wellford - Landfill*	Lockhart Power Company - NM	Wellford	Biomass	Negotiated (SC)	Purchase	Operating	1,600

Utility	Project (formerly Plant Name)	Owner (formerly Plant Owner)	Location	Type Fuel	Rate Schedule	Purchase/ Displace	Planned/ Operate	Capacity kW
DEC	Northbrook Carolina Hydro LLC - Boyd's Mill - Hydro	Northbrook Carolina Hydro, LLC - Boyd's Mill - Hydro - NM	Ware Shoals	Hydroelectric	PP	Purchase	Operating	1,500
DEC	Converse Energy Incorporated-Hydroelectric*	Converse Energy Incorporated - NM	Spartanburg	Hydroelectric	PP	Purchase	Operating	1,250
DEC	Lockhart Power Company - Upper Pacolet Hydro*	Lockhart Power Company - Upper Pacolet Hydro	Pacolet	Hydroelectric	Negotiated (SC)	Purchase	Operating	1,100
DEC	Pelzer Solar 1, LLC*	Pelzer Solar 1, LLC	Pelzer	Solar	PP	Purchase	Operating	1,001
DEC	Spartanburg Water System- Hydro	Spartanburg Water System - NM	Chesnee	Hydroelectric	PP	Purchase	Operating	1,000
DEC	Lockhart Minimum Flow Hydro	Lockhart Power Company - Minimum Flow Hydro	Lockhart	Hydroelectric	Negotiated (SC)	Purchase	Operating	850
DEC	Lockhart Lower Pacolet - Hydro	Lockhart Power Company - Lower Pacolet Hydro	Pacolet	Hydroelectric	Negotiated (SC)	Purchase	Operating	800
DEC	Aquenergy Systems, LLC-Piedmont-Hydroelectric	Aquenergy Systems, LLC- Piedmont - Hydroelectric	Piedmont	Hydroelectric	PP	Purchase	Operating	600
DEC	Vetroresina LLC - RNM 1770797127 - Solar*	Vetroresina LLC - RNM 1770797127	Greenville	Solar	PP	Purchase	Operating	282
DEC	Vetroresina LLC - PP - Solar*	Vetroresina LLC - PP	Greenville	Solar	PP	Purchase	Operating	225
DEC	Blacksburg Enviromental & Energy LLC - Solar*	Blacksburg Enviromental & Energy LLC	Blacksburg	Solar	PP	Purchase	Operating	84
DEC	Itron Inc.-Solar*	Itron Inc. - NM	West Union	Solar	PP	Purchase	Operating	57
DEC	Go Store It Roper, LLC (The Roper Group, LLC)*	Go Store It Roper, LLC	Greenville	Solar	PP	Purchase	Operating	45
DEC	Clover School District 2- Solar*	Clover School District 2- NM	Clover	Solar	PP	Purchase	Operating	27
DEC	Greenville County Schools dba Roper MTN Science CNTR Park-Solar*	Greenville County Schools- NM	Greenville	Solar	PP	Purchase	Operating	24
DEC	Yuze Holdings LLC - Solar*	Yuze Holdings LLC	Greenville	Solar	PP	Purchase	Operating	24
DEC	David Zimmer- Solar - PP*	David Zimmer	Greenville	Solar	PP	Purchase	Operating	12
DEC	Mfg Co, Minnesota Mining*	Minnesota Mining and Manufacturing Co	Greenville	Solar	PP	Purchase	Operating	6
DEC	Good Solar Electric LLC- Solar*	Good Solar Electric LLC	Greenville	Solar	PP	Purchase	Operating	5
DEC	Lamar Bailes-Solar*	Lamar Bailes	Walhalla	Solar	PP	Purchase	Operating	5
DEC	Freightliner Corp-Dynamometer*	Freightliner Corp. - NM	Gaffney	Other	PP	Purchase	Operating	0
Total								**137,037**

* denotes PURPA QF

Updated 10/31/19

SOUTH CAROLINA INVESTOR OWNED UTILITIES
COGENERATION/SMALL POWER PRODUCERS PURCHASED UNDER PURPA

Utility	Project (formerly Plant Name)	Owner (formerly Plant Owner)	Location	Type Fuel	Rate Schedule	Purchase/ Displace	Planned/ Operate	Capacity kW AC
DESC	Kapstone Charleston Kraft, LLC	Kapstone Charleston Kraft, LLC	North Charleston	Co-Generation	Contract	Displaced	Operating	99,200
DESC	International Paper Corp	International Paper Corp	Eastover	W/C	Contract	Displaced	Operating	97,500
DESC	Huntley Solar, LLC	Cypress Creek Renewables	Orangeburg	Solar	Contract	Purchase	Planned	75,000
DESC	Beulah Solar, LLC	Cypress Creek Renewables	Saluda	Solar	Contract	Purchase	Planned	74,976
DESC	Kepler Solar, LLC	Cypress Creek Renewables	Barnwell	Solar	Contract	Purchase	Planned	74,970
DESC	TWE Bowman Solar Project, LLC	Pine Gate Renewables	Orangeburg	Solar	Contract	Purchase	Planned	74,970
DESC	Palmetto Plains Solar Project*	Cubico USA, LLC	Orangeburg	Solar	Contract	Purchase	Planned	74,970
DESC	Shaw Creek Solar, LLC	Nextera	Aiken	Solar	Contract	Purchase	Operating	74,900
DESC	Seabrook Solar, LLC	Dominion Solar Projects VII, Inc.	Beaufort	Solar	Contract	Purchase	Planned	72,500
DESC	Midlands Solar, LLC	Adani	Calhoun	Solar	Contract	Purchase	Planned	72,100
DESC	Moffett Solar 1, LLC	Dominion Solar Holdings IV, LLC	Jasper	Solar	Contract	Purchase	Operating	71,400
DESC	Lily Solar, LLC	X-Elio	Allendale	Solar	Contract	Purchase	Planned	70,000
DESC	Peony Solar, LLC	Pine Gate Renewables	Orangeburg	Solar	Contract	Purchase	Operating	39,000
DESC	Estill Solar I, LLC*	EDP Renewables	Estill	Solar	Contract	Purchase	Operating	20,400
DESC	Cameron Solar, LLC*	EDP Renewables	Cameron	Solar	Contract	Purchase	Operating	20,000
DESC	Blackville Solar II, LLC	DP-C2 Episode 1	Barnwell	Solar	Contract	Purchase	Operating	20,000
DESC	Hampton Solar II, LLC*	EDP Renewables	Hampton	Solar	Contract	Purchase	Operating	20,000
DESC	Shaw Industries, Inc.	Shaw Industries, Inc.	Columbia	Co-Generation	Contract	Displaced	Planned	16,271
DESC	Trask East Solar, LLC	Southern Current	Beaufort	Solar	Contract	Purchase	Planned	12,000
DESC	United States of America - Parris Island	United States of America - Parris Island	Beaufort	Solar/CHP	Contract	Displaced	Planned	11,100
DESC	Champion Solar, LLC*	Pinegate Renewables	Pelion	Solar	Contract	Purchase	Operating	10,880
DESC	Swamp Fox Solar, LLC*	Pinegate Renewables	Pelion	Solar	Contract	Purchase	Operating	10,880
DESC	Southern Current One, LLC*	Pinegate Renewables	Brunson	Solar	Contract	Purchase	Operating	10,200
DESC	Estill Solar II, LLC*	Cypress Creek Renewables	Estill	Solar	Contract	Purchase	Operating	10,200
DESC	St. Matthews Solar, LLC*	Pinegate Renewables	St. Matthews	Solar	Contract	Purchase	Operating	10,200
DESC	Gaston Solar I, LLC*	Cypress Creek Renewables	Gaston	Solar	Contract	Purchase	Operating	10,200
DESC	Ridgeland Solar Farm I, LLC*	Dominion	Ridgeland	Solar	Contract	Purchase	Operating	10,000
DESC	Yemassee Solar, LLC	Southern Current	Hampton	Solar	Contract	Purchase	Planned	10,000
DESC	Blackville Solar Farm, LLC	Southern Current	Barnwell	Solar	Contract	Purchase	Planned	7,200
DESC	Odyssey Solar, LLC*	Pinegate Renewables	Pelion	Solar	Contract	Purchase	Operating	8,160
DESC	Nimitz Solar, LLC	Southern Current	Japser	Solar	Contract	Purchase	Operating	8,000

Utility	Project (formerly Plant Name)	Owner (formerly Plant Owner)	Location	Type Fuel	Rate Schedule	Purchase/ Displace	Planned/ Operate	Capacity kW
DESC	Diamond Solar, LLC	DP-C2 Episode 1	Lexington	Solar	Contract	Purchase	Operating	8,160
DESC	Haley Solar, LLC*	Pinegate Renewables	Allendale	Solar	Contract	Purchase	Operating	8,160
DESC	Gaston Solar II, LLC*	Pinegate Renewables	Gaston	Solar	Contract	Purchase	Operating	7,480
DESC	Saluda Solar, LLC*	Cypress Creek Renewables	Saluda	Solar	Contract	Purchase	Operating	6,800
DESC	Hampton Solar I, LLC*	Cypress Creek Renewables	Hampton	Solar	Contract	Purchase	Operating	6,800
DESC	Denmark Solar, LLC	Southern Current	Bamberg	Solar	Contract	Purchase	Planned	6,000
DESC	Springfield Solar, LLC	Southern Current	Orangeburg	Solar	Contract	Purchase	Planned	6,000
DESC	Barnwell Solar, LLC*	Pinegate Renewables	Barnwell	Solar	Contract	Purchase	Operating	5,440
DESC	Edison Solar, LLC	DP-C2 Episode 1	Barnwell	Solar	Contract	Purchase	Operating	4,760
DESC	Cameron Solar II, LLC*	Pinegate Renewables	Cameron	Solar	Contract	Purchase	Operating	4,080
DESC	Richardson Solar, LLC	DP-C2 Episode 1	Barnwell	Solar	Contract	Purchase	Operating	3,600
DESC	Saluda Solar II, LLC *	Pinegate Renewables	Saluda	Solar	Contract	Purchase	Operating	3,400
DESC	Curie Solar, LLC	Cypress Creek Renewables	Hampton	Solar	Contract	Purchase	Operating	**2,000**
DESC	Tig Sun Energy IV, LLC (Otarre)	TIG Sun Energy	Cayce	Solar	Contract	Purchase	Operating	1,620
DESC	TIG Sun Energy III, LLC (Leeds)	TIG Sun Energy	North Charleston	Solar	Contract	Purchase	Operating	504
Total								**1,271, 981**

* denotes PURPA QF
Updated 10/31/19

SOUTH CAROLINA STATE OWNED UTILITY
COGENERATION/SMALL POWER PRODUCERS PURCHASED UNDER PURPA

Utility	Project (formerly Plant Name)	Owner (formerly Plant Owner)	Location	Type Fuel	Rate Schedule	Purchase/ Displace	Planned/ Operate	Capacity kW
SCPSA	Centerfield-Cooper LLC*	Pine Gate Renewables	Chesterfield	Solar	Contract	Purchase	Operating	75,000
SCPSA	Gunsight LLC*	Pine Gate Renewables	Swansea	Solar	Contract	Purchase	Operating	75,000
Total								**150,000**

Total for 107 stations	**1,614, 899**

* denotes PURPA QF
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