

SANTEE COOPER
FINGERTIP
FACTS
2019

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Who We Are

Santee Cooper is South Carolina's state-owned electric and water utility. Known formally as the South Carolina Public Service Authority, we were created in 1934 as a rural electrification and public works project. Santee Cooper generated its first electricity in February 1942. The project saw the creation of lakes Marion and Moultrie, along with over 40 miles of dams and dikes, and the world's highest single-lift navigation lock at the time.

Santee Cooper is a public-power provider and a source of electricity for approximately 2 million people in all 46 counties of South Carolina. We serve more than 189,000 residential and commercial customers directly in Berkeley, Georgetown and Horry counties. We also supply electricity to the state's 20 electric cooperatives, the cities of Bamberg and Georgetown, 27 large industrial customers including Joint Base Charleston, the Alabama Municipal Electric Authority, and the 10 member cities that form the Piedmont Municipal Power Agency.

Santee Cooper is a leader in generating renewable power, with over 250 megawatts online or under contract. Our Reduce The Use energy-efficiency program has helped customers save over \$250 million in electricity costs since 2008. We provide wholesale water through the Santee Cooper Regional Water System and Lake Marion Regional Water System.

Santee Cooper is governed by a 12-member Board of Directors appointed by the Governor, screened by the Senate Public Utilities Review Committee, and confirmed by the state Senate. The Board is comprised of Directors representing each of the state's seven congressional districts; one from each of the three direct-serve counties; two Directors with previous electric cooperative experience; and a Chairman appointed at large.

The mission
of Santee Cooper
is to be the state's
leading resource
for improving
the quality of life
for the people
of South Carolina.

To fulfill this mission,
Santee Cooper is committed to:

- Producing and distributing low-cost, reliable energy, water and other essential services
- Providing excellent customer service
- Operating according to the highest ethical standards
- Maintaining a quality workforce
- Being a steward of the environment
- Being a leader in economic development

Santee Cooper **Values**

Our values are the deep-rooted principles that form the foundation of who we are and demonstrate how we conduct ourselves with all our stakeholders. At Santee Cooper, we hold ourselves accountable to embody these values in every branch of business.

innovation

We apply visionary thinking, creativity and adaptability to our work. Our culture embraces change and encourages diverse ideas.

stewardship

We care for those things in which we have been entrusted and take seriously our commitment to the future.

relationships

Our family culture fosters a teamwork atmosphere in which open communication, partnerships and trust thrive.

respect

We treat others the way we want to be treated and respect their viewpoints, ideas and thoughts.

quality

We deliver reliable and affordable products and services.

safety

Safety is critical in everything we do.

integrity

We are honest, trustworthy, respectful and ethical.



These values have served us in our mission to be the state's leading resource for improving the quality of life for all South Carolinians. Our mission statement, strategic plan and values build upon one another to provide a persistent vision for Santee Cooper.

Board of Directors

DAN J. RAY
Acting Chairman
Georgetown County
Georgetown, S.C.

Director Ray is president of DR Capital Group, a Pawleys Island-based financial advisory and investment company.

DAVID F. SINGLETON
2nd Vice Chairman
Horry County
Myrtle Beach, S.C.

Director Singleton is president of Singleton Properties, a real estate investment and sales firm.

KRISTOFER D. CLARK
3rd Congressional District
Easley, S.C.

Director Clark is a broker with Eastlan Capital and owner of Pristine Properties LLC.

WILLIAM A. FINN
1st Congressional District
Mount Pleasant, S.C.

Director Finn is chairman of Asten-Johnson, a Charleston-based specialty textile company for the printing and papermaking industries.

MERRELL W. FLOYD
7th Congressional District
Conway, S.C.

Director Floyd is a retired staff coordinator for Horry Electric Cooperative.

J. CALHOUN LAND IV
6th Congressional District
Manning, S.C.

Director Land is a partner in Land, Parker & Welch, a general practice law firm in Manning.

**CHARLES H. "HERB"
LEAIRD**

5th Congressional District
Sumter, S.C.

Director Leaird is a retired CEO of Black River Electric Cooperative and also served as CEO of Lynches River Electric Cooperative.

STEPHEN H. MUDGE
At-Large
Clemson, S.C.

Director Mudge is the cofounder, president and CEO of Serrus Capital Partners Inc., a Greenville-based real estate investment firm.

Board of Directors (continued)

PEGGY H. PINNELL

**Berkeley County
Moncks Corner, S.C.**

Director Pinnell is the owner of Peggy H. Pinnell Insurance Agency in Moncks Corner, a State Farm agency.

BARRY WYNN

**4th Congressional District
Spartanburg, S.C.**

Director Wynn is president of Colonial Trust Co., a private trust company specializing in investment management and estate services.

As 1st Vice Chair, Director Dan J. Ray became Acting Chairman as of May 8, 2019, after Interim Chairman Charlie M. Condon stepped down as Board Chairman.

Advisory Board

Henry D. McMaster

Governor

Alan Wilson

Attorney General

Mark Hammond

Secretary of State

Richard Eckstrom

Comptroller General

Curtis M. Loftis Jr.

State Treasurer

Executive Leadership

Mark B. Bonsall.....	<i>President and Chief Executive Officer</i>
Charlie B. Duckworth	<i>Deputy CEO and Chief Planning and Innovation Officer</i>
Thomas B. Curtis.....	<i>Chief Generation Officer</i>
Kenneth W. Lott III.....	<i>Chief Financial and Administration Officer</i>
J. Michael Poston	<i>Chief Customer Officer</i>
Pamela J. Williams.....	<i>Chief Public Affairs Officer and General Counsel</i>

Other Officers

B. Shawan Gillians	<i>Director of Legal Services and Corporate Secretary</i>
Dominick G. Maddalone	<i>Sr. Director of Innovation and Chief Information Officer</i>
Suzanne H. Ritter.....	<i>Treasurer</i>
Monique Washington	<i>General Auditor</i>

Employees

Number of employees 1,634

Mark B. Bonsall was named President and CEO effective July 9, 2019.

Charlie B. Duckworth was named Deputy CEO effective July 9, 2019.

All titles as of June 2020.

Santee Cooper Regional Water System

Location	Moncks Corner, S.C.
Original construction cost	\$34.7 million
Commercial operation	Oct. 1, 1994
Sellable capacity	40 million gallons per day (mgd) ¹
Miles of pipeline.....	20
Size of elevated storage tank	1 million gallons
Size of ground storage	10 million gallons
Water supply	Lake Moultrie
Wholesale water sold to.....	Lake Moultrie Water Agency ²
Population served:	195,871

¹ The water treatment plant's expansion to 42 mgd was completed in January 2019.

² The Lake Moultrie Water Agency sells the water to the city of Goose Creek, Berkeley County Water & Sanitation, the Moncks Corner Public Works Commission, and the Summerville Commissioners of Public Works.

Lake Marion Regional Water System

Location	Santee, S.C.
Original construction cost	\$36 million
Commercial operation.....	May 1, 2008
Capacity of treatment plant	8 mgd
Miles of pipeline	46.8
Size of elevated storage tank	1 million gallons
Size of ground storage	4 million gallons
Water supply	Lake Marion
Wholesale water sold to	Lake Marion Regional Water Agency ³
Population served:	2,952

³ The Lake Marion Regional Water Agency is comprised of Berkeley, Calhoun, Dorchester, and Orangeburg counties, and the town of Santee.

Lake Information

	Lake Marion	Lake Moultrie
Acres	100,607	59,874
Maximum elevation	76.8 feet	75.5 feet
Capacity of Lakes Marion and Moultrie: 756 billion gallons		
Length of dams and dikes: 40 miles		
Length of Tailrace Canal: 4 miles ⁴		
Length of Diversion Canal: 6.5 miles		
Pinopolis Lock: 75 feet deep, 180 feet long, 60 feet wide		

⁴ Ends at Old Santee Canal Park

Comparative Highlights

	2019	2018	Percent Change
Power Generated (GWh)	18,110	19,343	-6.4
Purchases Less Wheeling and Losses (GWh)	5,110	4,360	17.2
System Energy Requirements (GWh)	23,229	23,703	-2
Territorial Peak Demand (MW)	5,203	4,989	4.3
Operating Revenue (thousands of dollars)	\$1,722,676	\$1,806,620	-4.6

Sources of Income --- 2019	Percent
Wholesale.....	61
Retail.....	24
Military and Large Industrial.....	13
Other Income.....	1
Other Electric Revenue.....	1
TOTAL INCOME.....	100

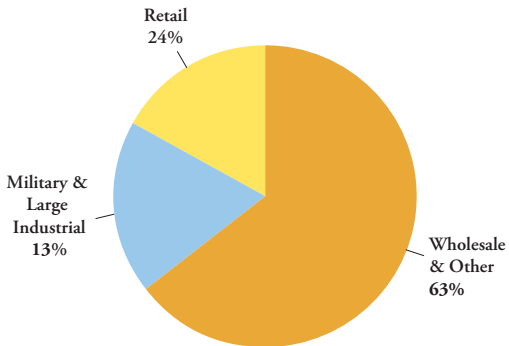
Distribution of Income --- 2019	Percent
Operating Expenses (except depreciation)	65
Debt Service	26
Additions to Plant, Inventories, Etc.	8
Payment to State ¹	1
TOTAL EXPENSES	100

¹ Does not include payments made from Special Reserve Fund

Santee Cooper Power

Where It Goes:
2019 Energy Sales

Customer Type	GWh Total	Number of Customers
Wholesale.....	14,901	4
Military & Large Industrial.....	4,435.....	27
Retail.....	3,829.....	189,177
Total.....	23,165.....	189,208



(GWh percentage)

Santee Cooper Power

Where It Comes From:

Generating Facilities	Location
Anderson County Generating Station (3 MW).....	Belton
Bell Bay Solar Farm (1.6 MW).....	Conway
Bennettsville Biomass ¹ (38 MW)	Bennettsville
Berkeley Landfill Generating Station (3 MW)	Moncks Corner
Colleton Solar Farm ² (3 MW)	Walterboro
Cross Generating Station(2,370 MW)	
Unit 1.....	Pineville
Unit 2.....	Pineville
Unit 3.....	Pineville
Unit 4.....	Pineville
Georgetown Landfill Generating Station (1 MW)	Georgetown
Grand Strand Solar Station (311kW)	Myrtle Beach
Hilton Head Combustion Turbines (84 MW)	
Unit 1.....	Hilton Head Island
Unit 2.....	Hilton Head Island
Unit 3.....	Hilton Head Island
Horry Landfill Generating Station (3 MW).....	Conway
Jamison Solar Farm (1.2 MW).....	Orangeburg
Jefferies Generating Station (140 MW)	
Hydro Units 1, 2, 3, 4, & 6.....	Moncks Corner
Lee Landfill Generating Station (11 MW).....	Bishopville
Myrtle Beach Combustion Turbines (56 MW)	
Units 1 and 2.....	Myrtle Beach
Units 3 and 4.....	Myrtle Beach
Unit 5.....	Myrtle Beach
Pinelands Biomass ³ (35.6 MW)	
Allendale County.....	Allendale
Dorchester County	Harleyville

¹ Owned by Domtar Paper.

² Owned by TIG Sun Energy.

³ Owned by EDF Renewable Energy.

Summer Generating Capability	Fuel	Began Commercial Operation
3 MW.....	Landfill methane gas	2008
1.6 MW.....	Solar	2019
38 MW.....	Biomass	2010
3 MW.....	Landfill methane gas	2011
3 MW	Solar	2013
580 MW	Coal	1995
565 MW ¹	Coal	1983
610 MW	Coal	2007
615 MW	Coal	2008
1 MW.....	Landfill methane gas	2010
311 kW	Solar.....	2011
16 MW	Oil.....	1973
16 MW	Oil.....	1974
52 MW	Oil.....	1979
3 MW.....	Landfill methane gas	2001
1.2 MW.....	Solar	2019
140 MW.....	Hydro	1942
11 MW.....	Landfill methane gas	2005
16 MW.....	Oil/Gas.....	1962
19 MW	Oil.....	1972
21 MW	Oil.....	1976
17.8 MW.....	Biomass	2013
17.8 MW.....	Biomass	2013

¹Cross Unit 2 returned to active service in 2018.

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Santee Cooper Power

Where It Comes From:

Generating Facilities	Location
Rainey Generating Station (977 MW)	
Combined Cycle Unit 1	Iva
Combustion Turbine 2A	Iva
Combustion Turbine 2B	Iva
Combustion Turbine 3	Iva
Combustion Turbine 4	Iva
Combustion Turbine 5	Iva
Richland Landfill Generating Station (8 MW)	Elgin
Runway Solar Farm (2 MW).....	Myrtle Beach
Santee Spillway Generating Station (2 MW)	Pineville
Southeastern Power Administration (296 MW)	Various
St. Stephen Powerhouse ¹ (84 MW)	St. Stephen
V.C. Summer Nuclear Station (322 MW).....	Jenkinsville
Winyah Generating Station (1130 MW)	
Unit 1.....	Georgetown
Unit 2.....	Georgetown
Unit 3.....	Georgetown
Unit 4.....	Georgetown

¹Owned by U.S. Army Corps of Engineers.

System Ratings

Area rated	Percent
Distribution Reliability.....	99.9964
Transmission Reliability.....	99.9960
Generation Availability Factor.....	87.88

For 2019, Distribution customers averaged less than 19 minutes without service, and Transmission delivery points averaged 21 minutes without service.

Safety

In 2019, Santee Cooper had a 98.9% incident-free safety rating with 20 recordable injuries and PMVAs. Santee Cooper earned a first-place award in the American Public Power Association's Safety Award of Excellence for safe operating practices in 2019 for large utilities with 1 million to 3.99 million worker-hours of annual worker exposure.

Summer Generating Capability	Fuel	Began Commercial Operation
460 MW	Gas.....	2002
146 MW	Gas.....	2002
146 MW	Gas.....	2002
75 MW	Gas.....	2004
75 MW	Gas.....	2004
75 MW	Gas.....	2004
8 MW.....	Landfill methane gas	2006
2 MW	Solar	2019
2 MW	Hydro.....	1950
296 MW.....	Hydro	1985 ¹
84 MW.....	Hydro	1985
322 MW ²	Nuclear	1983
275 MW	Coal	1975
285 MW	Coal	1977
285 MW	Coal	1980
285 MW	Coal	1981
5,571 MW – Total summer generating capability (5,114 MW are owned by Santee Cooper)		

¹ Year Santee Cooper entered into its contract with SEPA.

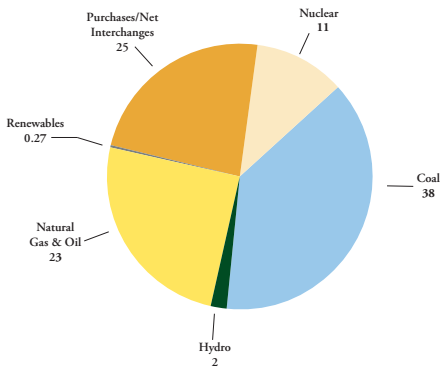
² Santee Cooper's one-third ownership share.

Residential Satisfaction Ratings

Category	Percent
Residential.....	93.0
Average national satisfaction rating.....	89.7

Total Energy Supply (Percentage)

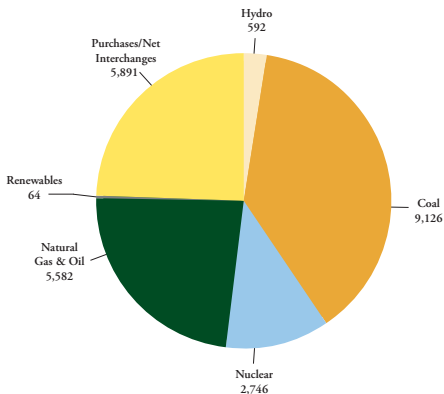
Year	Hydro	Coal	Nuclear
2019	2	38	11
2018	2	46	10
2017	2	42	10
2016	2	52	12
2015	2	48	9
2014	2	59	8
2013	2	51	10
2012	1	58	9
2011	1	71	9
2010	2	75	10
2009	2	78	9



Natural Gas & Oil	Renewables	Purchases/Net Interchanges
23	0.27	25
21	0.26	21
25	0.32	20
20	0.34	13
23	0.35	18
14	0.35	17
16	1	21
17	0.4	15
14	0.4	5
10	0.4	3
8	0.3	3

Generation and Purchases (GWh)

<u>Year</u>	<u>Hydro</u>	<u>Coal</u>	<u>Nuclear</u>
2019	592	9,126	2,746
2018	603	11,130	2,447
2017	382	9,589	2,296
2016	444	12,347	2,886
2015	523	12,832	2,366
2014	506	16,607	2,297
2013	624	13,949	2,788
2012	271	15,888	2,421
2011	274	20,048	2,469
2010	450	21,889	2,828
2009	449	20,869	2,282



Natural Gas & Oil	Renewables	Purchases/Net Interchanges
5,582	64	5,891
5,100	73	4,838
5,783	73	4,980
4,834	81	3,108
6,212	93	4,987
3,821	96	4,738
4,315	115	5,335
4,710	103	4,099
3,817	115	1,546
2,918	108	940
2,193	91	790

Customers

Central Electric Power Cooperative

Santee Cooper is the primary power provider for Central, our largest customer and a generation and transmission cooperative that provides electric service to 20 distribution cooperatives:

<u>Cooperative</u>	<u>Customers</u>
Aiken Electric Cooperative	48,359
Berkeley Electric Cooperative	105,779
Black River Electric Cooperative	32,867
Coastal Electric Cooperative	11,653
Edisto Electric Cooperative	20,308
Fairfield Electric Cooperative	30,081
Horry Electric Cooperative	81,919
Lynches River Electric Cooperative	21,301
Marlboro Electric Cooperative	6,460
Mid-Carolina Electric Cooperative	57,378
Newberry Electric Cooperative	13,051
Palmetto Electric Cooperative	74,350
Pee Dee Electric Cooperative	30,490
Santee Electric Cooperative	43,480
Tri-County Electric Cooperative	18,102
Blue Ridge Electric Cooperative ¹	67,131
Broad River Electric Cooperative ¹	22,241
Laurens Electric Cooperative ¹	9,031
Little River Electric Cooperative ¹	14,347
York Electric Cooperative ¹	62,335

¹ These cooperatives are served by Duke Energy Carolinas

Piedmont Municipal Power Agency

On Jan. 1, 2014, Santee Cooper began providing supplemental electric power (200-300 MW) to PMPA and its members for a term no less than 12 years. Members include Abbeville, Clinton, Easley, Gaffney, Greer, Laurens, Newberry, Rock Hill, Union and Westminster.

Alabama Municipal Electric Authority

On Jan. 1, 2014, Santee Cooper began providing 50 MW of contingent capacity to AMEA for a term of 10 years.

Municipal Customers

Bamberg Board of Public Works and City of Georgetown

Retail Customers Served Directly: 189,177

Santee Cooper owns distribution facilities in Berkeley, Georgetown and Horry counties. These service areas include 2,994 miles of distribution lines.

Large Industrial Customers

Santee Cooper directly serves 27 large industrial customers including Joint Base Charleston.

Sales and System Peak Loads

<u>Year</u>	<u>Sales (GWh)</u>	<u>System Peak (MW)</u>
2019.....	23,229	4,558
2018.....	23,718	5,203
2017.....	22,779	4,989
2016.....	23,700	4,794
2015.....	26,498	5,869
2014.....	27,353	5,673
2013.....	26,364	5,029
2012.....	26,756	5,387
2011.....	27,552	5,676
2010.....	28,182	5,743
2009.....	25,813	5,590

Transmission and Distribution

Miles of Transmission Lines.....	5,152
Miles of Distribution Lines.....	2,994
Transmission Substations.....	91
Distribution Substations.....	58
Central Electric Power System Delivery Points.....	411

Year in Review

Santee Cooper was built to improve the lives of all South Carolinians. Even as Santee Cooper is going through a period of marked evolution, that mission remains strong and true.

The utility faced challenges in 2019 and made strides for a brighter future. In July, Santee Cooper's Board of Directors hired Mark Bonsall as President and CEO and Charlie Duckworth as Deputy CEO. Under their leadership, employees produced a Business Forecast focused on sustainability, efficiency, reducing debt, reducing emissions and advancing technology.

Santee Cooper's new plans put South Carolinians first with certainty in pricing, a greener power supply and a plan to aggressively reduce debt. Looking ahead, Santee Cooper intends to add 1,500 MW of solar power and 200 MW of battery storage (the largest commitment to this technology in South Carolina), along with natural gas generation to ensure reliability. We will close Winyah Generation Station's four coal-fired units beginning in 2023. These steps will save money and help reduce Santee Cooper's carbon emissions by 43% over the next 20 years compared to 2005 numbers.

These changes will not interrupt Santee Cooper's high-level of reliability, emphasis on safety, support for economic development, responsibilities with lake and habitat management, or our commitment to our water systems.

On March 13, 2020, the Santee Cooper Board of Directors unanimously approved a settlement in the case of Cook v. Santee Cooper et al., and other litigation related to cancellation of the V.C. Summer expansion. It is a global settlement that also resolves cross-claims in the Cook case and matters with Dominion Energy, among many other issues. This settlement eliminates substantial risk presented by the litigation and gives Santee Cooper greater certainty as we move ahead with our power supply and financial plans. A final court hearing on settlement approval is scheduled for July 20, as of this writing.

Core Business Highlights

In 2019, we successfully completed two key financial transactions: paying off \$360 million in long-term debt in October, and paying certain bonds issued in 2009 through 2013, 2015 and 2016, along with certain MiniBonds. In November, we executed a \$163 million bond sale to refund existing debt, with projected debt service savings of \$40 million over the next 16 years.

Continued on page 23

Year in Review (continued)

Santee Cooper further reduced our use of coal as a generating resource. Coal fueled just 38% of our generation mix, down from 46% in 2018 and 78% a decade ago (2009). We are using more natural gas at Rainey Generating Station and purchasing more natural gas-fired generation on the market, producing significant savings for customers.

Transmission reliability was 99.9960%, meaning the average delivery point was without power for only 21 minutes for the year. Distribution reliability was 99.9964%, equating to the average customer being without power under 19 minutes for the year. Residential and commercial customer service satisfaction rates increased to 93% and 97.2%, respectively. Industrial satisfaction remained high at just under 90% and our municipal customers (including Piedmont Municipal Power Agency) rated at 100% satisfied. The co-op satisfaction score for 2019 was 16.7%.

Employees delivered the utility's 2nd best year as measured by workplace safety incidents, following 2018 as our best year. We received the American Public Power Association's (APPA) Safety Award of Excellence in both 2018 and 2019 for safe operating practices, earning first place in the category for utilities with 1,000,000 to 3,999,999 worker-hours of annual worker exposure.

Hurricane Dorian

Hurricane Dorian blew in on Sept. 3. The storm knocked out power to 51,000 retail customers, mainly along the Grand Strand, where winds of 105 mph were recorded off the coast. Less than 48 hours after Hurricane Dorian exited Santee Cooper's service territory late on Sept. 5, crews had restored power to all customers who could receive power. Santee Cooper's transmission system had service restored to all customer-serving delivery points late on Sept. 6.

Environmental News

Santee Cooper achieved an environmental milestone in May, as the last load of stored coal ash from the former Grainger Generation Station was hauled from the site. The utility continues to remove remaining ash from the dikes around the pond and an underlying foot of soil from Pond 2. Also at Grainger, work on restoring wetlands is ongoing, with more than 60,000 bald cypress and oak saplings planted at the plant's former cooling pond.

Continued on page 24

Year in Review (continued)

Ash excavation at Grainger is just part of our innovative beneficial use program. Santee Cooper recycled 1,607,052 tons of coal combustion products in 2019, the most of any year to date.

Santee Cooper added two solar farms in 2019. Jamison Solar Farm, located along Interstate 26 in Orangeburg County, was built in partnership with Tri-County Electric Cooperative (TCEC) and is located in an industrial park being developed by the co-op. Jamison, connected to the grid in April, can produce enough electricity to power 163 average South Carolina households. Runway Solar Farm is located on Myrtle Beach Airport property and can produce enough electricity to power 305 average South Carolina households.

The South Carolina Department of Health and Environmental Control (DHEC) honored Santee Cooper in 2019 with its 2018 Community Star Award. The award recognizes Santee Cooper for going beyond environmental requirements to build better community relationships, promote environmental sustainability and resiliency, and improve the quality of life for communities. DHEC recognized Santee Cooper for several efforts: our Camp Hall Commerce Park, the Give Oil For Energy Recovery (GOFER) program, and several educational initiatives.

Economic Development

Working with the South Carolina Department of Commerce, the state's electric cooperatives, local governments and other partners, Santee Cooper supported efforts resulting in 25 announcements of economic development with more than \$381 million capital investment and 1,583 new jobs in 2019.

Camp Hall Commerce Park continues to grow with development underway on the park's unique Village Center, sewer and water lines, and "pollinator pathways" (habitats that promote birds, bees and butterflies).

On May 1, 2019, Santee Cooper announced the sale to Exeter Property Group of a 77-acre tract of land. Exeter is constructing three buildings totaling approximately 945,000 square feet of ready-to-lease industrial space for bulk warehouse and distribution. Also, Volvo Cars is expanding its Camp Hall plant.

In August, the Surface Transportation Board authorized Palmetto Railways to construct and operate a 28-mile line connecting to Camp Hall.

The South Carolina Departments of Commerce and Transportation held a ribbon-cutting ceremony on Aug. 29 for the new Interstate 26 and Volvo Car Drive interchange at exit 189. The interchange provides direct access to Volvo's plant and the rest of Camp Hall.

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Year in Review (continued)

Other Highlights

The Santee Cooper Regional Water System on Lake Moultrie achieved a record 34.38 million gallons of clean water delivered to customers on May 28. The Lake Moultrie plant also received a 20-year award from the American Water Works Association's Partnership for Safe Water Award for producing water that has consistently exceeded regulatory standards over the last two decades.

Work continues on the Dorchester Reach expansion for the Lake Marion Regional Water System. Expected to be completed in 2020, the 10.7-mile expansion from Harleyville to Ridgeville will bring reliable drinking water to an underserved portion of South Carolina.

Santee Cooper's Continuous Improvement projects achieved more than \$10 million in financial benefits to the utility. By involving employees and working the CI system, Santee Cooper is implementing innovative solutions to make it more effective and efficient.

Santee Cooper was built by South Carolinians, for South Carolinians. We are part of the very fabric of this state. As we head into 2020, we are refocused on our mission to serve as a leading resource for improving the lives of all South Carolinians.

Green Power

2019 Green Power sales: 17,509 MWh

Green Power customers support the development of renewable Green Power by purchasing blocks each month through their bills. Renewable Green Power costs more to generate than Santee Cooper's traditional generation, and the money raised through Green Power sales is put entirely into the development of new renewable energy.

Green Power is Green-e Energy certified, and meets the environmental and consumer-protection standards set forth by the nonprofit Center for Resource Solutions. Learn more at www.green-e.org.

2019 Green Power Customers

Residential.....	800
Commercial.....	221
Industrial.....	1
Customers reached through cooperatives and municipalities	2,375
Green Tag customers	24

<u>Sites</u>	<u>Generating Capacity</u>	<u>Commercial Operation Date</u>
Anderson Regional Landfill Generating Station	3 MW	September 2008
Berkeley Landfill Generating Station	3 MW	February 2011
Georgetown Landfill Generating Station	1 MW	March 2010
Grand Strand Solar Station	311 kW	April 2011
Horry Landfill Generating Station	3 MW	September 2001
Lee Landfill Generating Station	11 MW	February 2005
Richland Landfill Generating Station	8 MW	February 2006
Coastal Carolina University Green Power Solar Pavilions	16 kW	July 2006
Technical College of the Lowcountry Solar Canopies	20 kW	February 2010
North Myrtle Beach Wind Turbine	2 kW	December 2010

Environmental Stewardship

Air Emissions

Since 2000, Santee Cooper has significantly reduced emissions of sulfur dioxide (SO₂) and nitrogen oxides (NO_x) from its fossil-fired units. SO₂ emissions and NO_x emissions have been reduced by 95% and 85%, respectively.

Mercury emissions have been reduced by more than 80% over the same timeframe. Santee Cooper has cut carbon dioxide (CO₂) emissions 42% compared to 2005 levels.

The retirement of fossil units at Grainger and Jefferies generating stations contributed to this downward trend, as has an increased reliance on natural gas generation. Improvements to emissions control devices, the installation of new or improved environmental control technology, and the greater use of more efficient generating units have also helped with emissions reductions.

Sea Turtle Protection

SCUTE, or South Carolina United Turtle Enthusiasts, is a group of volunteers dedicated to sea turtle conservation in Georgetown and Horry counties. Organized in 1990, SCUTE is permitted by the South Carolina Department of Natural Resources to protect and, if necessary, relocate turtle nests.

Santee Cooper has worked with organizations like SCUTE since 1990 to preserve and protect loggerhead sea turtles. Santee Cooper supports the efforts of SCUTE by shielding lights and working to raise awareness about sea turtles through a public education program.

Santee Cooper provides free colorful “Lights Out” bumper stickers to remind property owners and visitors to turn off beachfront lights after 10 p.m. during nesting season. Throughout the nesting and hatching season, SCUTE volunteers distribute information to beach users who express an interest in turtle conservation.

Environmental Stewardship (continued)

Lakes and Vector Management

Protecting lakes Marion and Moultrie, South Carolina's largest freshwater resource, has been of paramount importance to Santee Cooper since the reservoirs were completed in 1942.

With a combined 160,000 acres in five counties, the lakes host 48 water-quality monitoring stations. Monthly samples are analyzed by Santee Cooper's analytical and biological services department and data is shared with state and federal agencies.

Maintaining water quality is important to preserving the natural habitat of the Santee Cooper Lakes and also to ensure a safe water source for the Santee Cooper Regional and Lake Marion Regional water systems.

Santee Cooper's vector management department has been battling mosquitoes throughout the utility's history. The department was the driving force in eliminating malaria from around the Santee Cooper Lakes in the early 1950s and continues its efforts to control nuisance and disease-carrying mosquitoes today.

Vector management operational crews perform daily inspections around the lake system to eliminate active mosquito breeding sites. Sites that cannot be eliminated are treated with the most environmentally safe products available to prevent mosquito larvae from maturing to the adult stage.

Adult mosquito populations are targeted through the applications of pesticides by the department's licensed pesticide applicators. Vector management technicians use light traps and standardized techniques to survey adult populations to determine when spray operations are warranted. Technicians also monitor adult mosquitoes for the presence of West Nile Virus and other mosquito-borne diseases.

Environmental Stewardship (continued)

Wildlife Habitat Management

Santee Cooper uses Environmental Protection Agency-approved herbicides to control undesirable woody vegetation that can interfere with the delivery of electricity, which has a positive effect by increasing plant diversity and, in turn, enhances wildlife habitat. Also, Santee Cooper works closely with Heritage Trust Programs such as the Longleaf Pine Heritage and the Lewis Ocean Bay Heritage preserves to ensure that the management of transmission rights of way that traverse the preserves are compatible with their management plans.

Creating Sanctuaries for Wildlife

Santee Cooper and the South Carolina Department of Natural Resources have a long history of working together to manage the lakes and the properties that surround the state's largest freshwater resource, through fisheries management and state wildlife management areas. Santee Cooper also supports the Santee National Wildlife Refuge in Clarendon County.

Forestry and Undeveloped Lands

Santee Cooper manages approximately 24,000 acres of forested and undeveloped land around lakes Marion and Moultrie in Berkeley, Calhoun, Clarendon, Orangeburg and Sumter counties.

More than 12,500 acres of forested and undeveloped lands associated with generating station sites and special-use sites are managed in Anderson, Berkeley, Florence, Georgetown, Horry, Jasper and Spartanburg counties.

Most of Santee Cooper's forested and undeveloped lands are managed under the concept of multiple-resource use. Under this management system, these lands produce a sustainable timber harvest in conjunction with protecting soil and water quality, enhancing wildlife habitat, and providing recreational opportunities.

To help meet these multiple use objectives, Santee Cooper partners with the S.C. Department of Natural Resources through the Wildlife Management Area (WMA) lease agreement. Of the 36,500 acres, nearly 27,000 are enrolled in the WMA Program for habitat enhancement and public recreational access.

Environmental Stewardship (continued)

Palmetto Trail

Santee Cooper helped blaze South Carolina's Palmetto Trail, a hiking, biking and camping pathway from the mountains to the sea that is nearly 290 miles long. The trail's first segment opened in January 1996. The 24 mile long Lake Moultrie Passage created widespread access for hikers and cyclists to some of the most beautiful vistas around the lake it edges. It is one of three sections that Santee Cooper helped build and continues to maintain.

The other sections include the 20-mile long Eutaw Springs Passage and the 33-mile long Lake Marion Passage.

Old Santee Canal Park

The 195-acre park's construction was financed by Santee Cooper and the park opened in 1989. It features an Interpretive Center, theater and classroom. School children across the Lowcountry enjoy outings such as the annual NatureScope Field Days. The park's environmental programs emphasize the vast diversity of plant and animal life found throughout the park, covering topics such as birds, insects, reptiles, trees and wetlands.

The park features 4 miles of boardwalk and hiking trails along Biggin Creek that parallel the Tailrace Canal. A large floating dock is inviting to boaters. The Stony Landing House, circa 1840s, provides a scenic overlook at the point where the west branch of the Cooper River begins. This is a popular venue for weddings.

The park is the focal point for Celebrate The Season, a driving tour of lighted yuletide displays. This month-long charitable community event also features the Tinsel Trot fun run. In the past nine years, Celebrate The Season has raised nearly \$956,536 for charities and nonprofit organizations serving Berkeley County.

Recycling

Between July 1, 2018, and June 30, 2019, Santee Cooper recycled the following:

Ash:	916,765.67 tons
Gypsum:	534,226.21 tons
Concrete:	75 tons
Ferrous Metals:	2,066.47 tons
Mixed Wood:	108.85 tons
Co-mingled Recyclables:	39.5 tons
Mixed Metal:	195.71 tons
Tires:	7.99 tons
Used Motor Oil:	142.28 gallons
Used Oil Filters:	2.96 tons
Lead-Acid Batteries:	9.85 tons
Rechargeable Batteries:	.225 tons
Electronics (Including cellphones):	11.53 tons
Fluorescent Lamps:	.562 tons

GOFER

Give Oil for Energy Recovery, GOFER, is Santee Cooper's used motor oil collection and recovery program, whereby oil collected from the public and industry is safely converted into electric power. Santee Cooper started GOFER in 1990 to give the public statewide a convenient way to properly dispose of used motor oil. GOFER has collected more than 32 million gallons of used motor oil in 29 years.

In 2019, GOFER collected 1,016,025 gallons of used oil from 3,007 collection sites.

Visit www.scgofer.com for more information.

Economic Development

Economic growth continued in Santee Cooper's direct and indirect service territories in 2019. The continued success relates to joint efforts between Santee Cooper, the state's electric cooperatives, our municipal customers and the SC Power Team on initiatives, loans and grants.

These efforts resulted in additional infrastructure and speculative buildings in the service territories of Santee Cooper and the electric cooperatives, and in areas served by our municipal customers. There were 25 announcements of economic development with more than \$381 million in new capital investment and the creation of 1,583 new jobs in 2019.

Major announcements included:

Company	Capital Investment	Jobs
DHL Supply Chain	\$100M	450
Muffin Mam, Inc.	\$18.8M	114
Spectrum Quartz	\$22.5M	150
A&R Logistics	\$60M	60
Dirtt Environmental Solutions	\$18.5M	100

Since 1988, through these efforts, Santee Cooper has helped secure more than \$15 billion in capital investment and 81,918 jobs across South Carolina.

Notes

Santee Cooper Customer Service Locations

Moncks Corner Office
(Santee Cooper Headquarters)
One Riverwood Drive
Moncks Corner, SC 29461
843-761-8000
Fax: 843-761-4122

Myrtle Beach Office
1703 Oak Street
Myrtle Beach, SC 29577
843-448-2411
Fax: 843-626-1923

2020

January							February							March						
Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat
			①	2	3	4							1	1	2	3	4	5	6	7
5	6	7	8	9	10	11	2	3	4	5	6	7	8	8	9	10	11	12	13	14
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19	⑫	21	22	23	24	25	16	17	18	19	20	21	22	22	23	24	25	26	27	28
26	27	28	29	30	31	23	24	25	26	27	28	29	29	30	31					

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							30	31															

October							November							December										
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25	26	27	28	29	30	31	29	30					27	28	29	30	31							

○ Holidays

President's Day is a "floating" holiday that can be observed anytime during the calendar year



P.O. Box 2946101
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