

SANTEE COOPER
FINGERTIP
FACTS
2015

Table of Contents

Who We Are	3
Mission Statement	4
Corporate Values	5
Board of Directors	6-7
Advisory Board	7
Executive Leadership	8
Management	8
Employees	8
Santee Cooper Regional Water System	9
Lake Marion Regional Water System	9
Lake Information	9
Comparative Highlights	10
2015 Energy Sales	11
Santee Cooper Power:	
Where It Comes From	12-15
System Ratings	14
Safety	14
Residential Satisfaction Ratings	15
Total Energy Supply	16-17
Generation and Purchases	18-19
Customers	20
Sales and System Peak Loads	21
Transmission and Distribution	21
Year in Review.....	22-24
Green Power.....	25
Environmental Stewardship	26-29
Recycling.....	30
Environmental Scorecard.....	30
GOFER.....	30
Economic Development	31
Notes	32-33
Santee Cooper Locations	34
2016 Calendar	35

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 the primary source of electricity for approximately 2 million people in all 46 counties of South Carolina. We serve more than 174,000 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 South Carolina's leader in generating renewable power, with 130 megawatts online or under contract. We also are helping customers use less electricity through our Reduce The Use energy-efficiency program. 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, vetted 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, values, strategic plan and goals build upon one another to provide a persistent vision for Santee Cooper.

Board of Directors

W. LEIGHTON LORD III
Chairman
Columbia, S.C.

Director Lord is a partner at Nexsen Pruet law firm in Columbia.

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

Director Finn is chairman of AstenJohnson Inc., a specialty textile company for the printing and papermaking industries based in Charleston.

BARRY D. WYNN
2nd Vice Chairman
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.

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

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

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

Director Floyd retired in 2005 as staff coordinator at Horry Electric Cooperative.

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

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

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.

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

Director Ray is a managing director and the global head of project finance for Jefferies LLC.

Board of Directors (continued)

ALFRED L. REID JR.*
5th Congressional District
Rock Hill, S.C.

Director Reid is the production manager of Boral Stone Products in Chester.

DAVID F. SINGLETON
Horry County
Myrtle Beach, S.C.

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

JACK F. WOLFE JR.
2nd Congressional District
Chapin, S.C.

Director Wolfe is a past president and CEO of the Mid-Carolina Electric Cooperative in Lexington, S.C..

*Notes:

The South Carolina Senate on June 4, 2015, confirmed Director Alfred L. Reid Jr. to the Santee Cooper Board of Directors and reappointed directors Ray, Wolfe and Wynn.

Director Catherine E. Heigel vacated her at-large seat to become director of the South Carolina Department of Health and Environmental Control.

Advisory Board

Nikki R. Haley
Governor

Alan Wilson
Attorney General

Mark Hammond
Secretary of State

Richard A. Eckstrom
Comptroller General

Curtis M. Loftis Jr.
State Treasurer

Executive Leadership

Lonnie N. Carter	<i>President and Chief Executive Officer</i>
Jeffrey D. Armfield	<i>Senior Vice President and Chief Financial Officer</i>
J. Michael Baxley	<i>Senior Vice President and General Counsel</i>
Michael R. Crosby	<i>Senior Vice President, Nuclear Energy</i>
Arnold R. Singleton ¹	<i>Senior Vice President, Power Delivery</i>
Marc R. Tye ²	<i>Executive Vice President, Competitive Markets & Generation</i>
Pamela J. Williams.....	<i>Senior Vice President, Corporate Services</i>

Management

S. Thomas Abrams	<i>Vice President, Planning and Power Supply</i>
Charles S. "Sam" Bennett ³	<i>Vice President, Administration</i>
Michael C. Brown.....	<i>Vice President, Wholesale and Industrial Services</i>
Thomas B. Curtis ⁴	<i>Vice President, Generating Stations</i>
Glenda W. Gillette.....	<i>Vice President and Controller</i>
Jane H. Hood	<i>Vice President, Fuels Strategy and Supply</i>
Thomas L. Kierspe	<i>Vice President, Environmental, Property and Water Systems Management</i>
Richard S. Kizer	<i>Vice President, Public Affairs</i>
J. Michael Poston	<i>Vice President, Retail Operations</i>
Suzanne H. Ritter	<i>Treasurer and Vice President, Corporate Planning</i>
Laura G. Varn	<i>Vice President, Human Resource Management</i>
Elizabeth H. Warner	<i>Vice President, Legal Services and Corporate Secretary</i>

Auditor

Kenneth W. Lott III

Employees

Number of employees..... 1,764

In its 2015 annual report, the South Carolina Human Affairs Commission ranked Santee Cooper fifth among all state agencies and first among agencies with 1,000 or more employees reporting for consistent recruitment and retention of a diverse workforce.

¹Arnold R. Singleton was named Senior Vice President, Power Delivery effective Dec. 8, 2015.

²Marc R. Tye was named Executive Vice President, Competitive Markets & Generation effective Aug. 24, 2015.

³Charles S. "Sam" Bennett was named Vice President, Administration effective Dec. 8, 2015.

⁴Thomas B. Curtis was named Vice President, Generating Stations effective Aug. 24, 2015.

Santee Cooper Regional Water System

Location	Moncks Corner, S.C.
Construction cost	\$34.7 million
Commercial operation	Oct. 1, 1994
Capacity of treatment plant	36 million gallons per day (mgd) ¹
Miles of pipeline	26
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:	165,299

¹The water treatment plant is undergoing an expansion to increase capacity to 42 mgd.

²The 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.
Construction cost	\$36 million
Commercial operation	May 1, 2008
Capacity of treatment plant	8 mgd
Miles of pipeline	27.7 ³
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 ⁴
Population served:	2,855

³A 10.5 mile pipeline from Harleyville to Ridgeville is currently being designed.

⁴The 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 ⁵	
Length of Diversion Canal:	6.5 miles	
Pinopolis Lock:	75 feet deep, 180 feet long, 60 feet wide	

⁵ Ends at Old Santee Canal Park

Comparative Highlights

	2015	2014	Percent Change
Power Generated (GWh)	22,026	23,327	-5.6
Purchases Less Wheeling and Losses (GWh)	4,493	4,065	10.5
System Energy Requirements (GWh)	26,519	27,392	-3.2
Territorial Peak Demand (MW)	5,869	5,673	3.5
Operating Revenue (thousands of dollars)	\$1,879,553	\$1,997,347	-5.9

Sources of Income – 2015

	Percent
Wholesale	59
Military and Large Industrial	19
Retail	21
Other Income	0
Other Electric Revenue	1
TOTAL INCOME	100

Distribution of Income – 2015

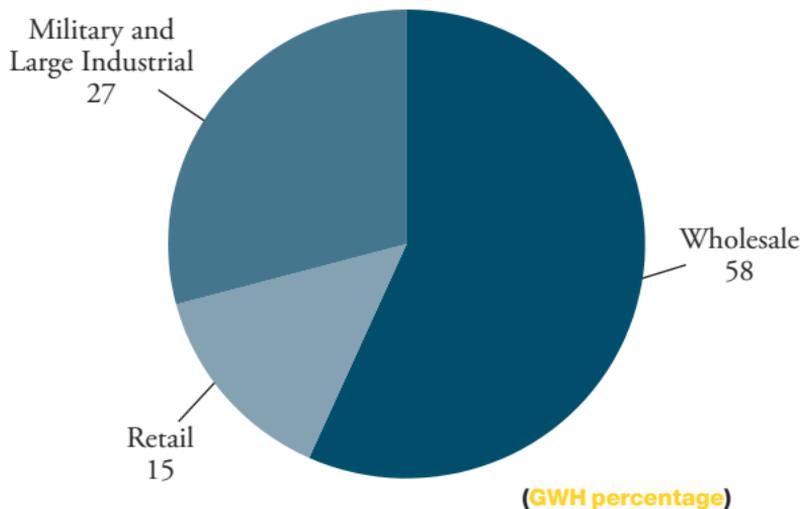
	Percent
Operating Expenses (except depreciation) ¹	70
Debt Service	21
Additions to Plant, Inventories, Etc.	8
Payment to State ¹	1
TOTAL EXPENSES	100

¹ Does not include payments made from Special Reserve Fund

Santee Cooper Power

Where It Goes: 2015 Energy Sales

Customer Type	GWh Total	Number of Customers
Wholesale.....	15,307	4
Military and Large Industrial.....	7,339	27
Retail.....	3,852	174,023
Total.....	26,498	174,054



Santee Cooper Power

Where It Comes From:

Generating Facilities	Location
Anderson County Generating Station (3 MW).....	Belton
Bennettsville Biomass ¹ (38 MW)	Bennettsville
Berkeley Landfill Generating Station (3 MW).....	Moncks Corner
Buzzard Roost Hydroelectric Station ² (8 MW)	Chappells
Colleton Solar Farm ³ (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
Jefferies Generating Station (134 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 ⁴ (35.6 MW)	
Allendale County	Allendale
Dorchester County	Harleyville
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

¹ Owned by Domtar Paper.

² Owned by Greenwood County.

³ Owned by TIG Sun Energy.

⁴ Owned by EDF Renewable Energy.

Summer Generating Capability	Fuel	Began Commercial Operation
3 MW	Landfill methane gas	2008
38 MW	Biomass	2010
3 MW	Landfill methane gas	2011
8 MW	Hydro	2006 ¹
3 MW	Solar	2013
580 MW	Coal	1995
565 MW	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
134 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
460 MW	Gas	2002
146 MW	Gas	2002
146 MW	Gas	2002
75 MW	Gas	2004
75 MW	Gas	2004
75 MW	Gas	2004

¹ Year Santee Cooper entered into a lease agreement with Greenwood County.

Continued on pages 14-15

Santee Cooper Power

Where It Comes From:

<u>Generating Facilities</u>	<u>Location</u>
Richland Landfill Generating Station (8 MW)	Elgin
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 (318 MW).....	Jenkinsville
Winyah Generating Station (1130 MW)	
Unit 1	Georgetown
Unit 2	Georgetown
Unit 3	Georgetown
Unit 4	Georgetown

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

System Ratings

<u>Area rated</u>	<u>Percent</u>
Distribution Reliability	99.9956
Transmission Reliability	99.9959
Generation Availability Factor.....	89.64

For 2015, Distribution customers averaged 23 minutes without service, and Transmission delivery points averaged 21 minutes without service.

Safety

In 2015, Santee Cooper had a 97.9 percent incident-free safety rating with 37 injuries and preventable motor vehicle accidents.

Summer Generating Capability	Fuel	Began Commercial Operation
8 MW	Landfill methane gas	2006
2 MW	Hydro	1950
296 MW	Hydro	1985 ¹
84 MW	Hydro	1985
318 MW ²	Nuclear	1983
275 MW	Coal	1975
285 MW	Coal	1977
285 MW	Coal	1980
285 MW	Coal	1981

5,565 MW – Total summer generating capability (5,100 MW are owned by Santee Cooper)

¹ Year Santee Cooper entered into its contract with SEPA.

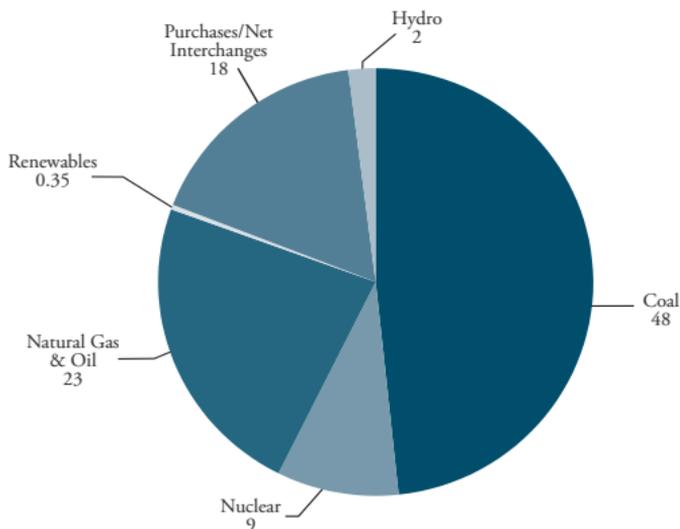
² Santee Cooper's one-third ownership share.

Residential Satisfaction Ratings

Category	Percent
Residential	97.0
Average national satisfaction rating	92.5

Total Energy Supply (Percentage)

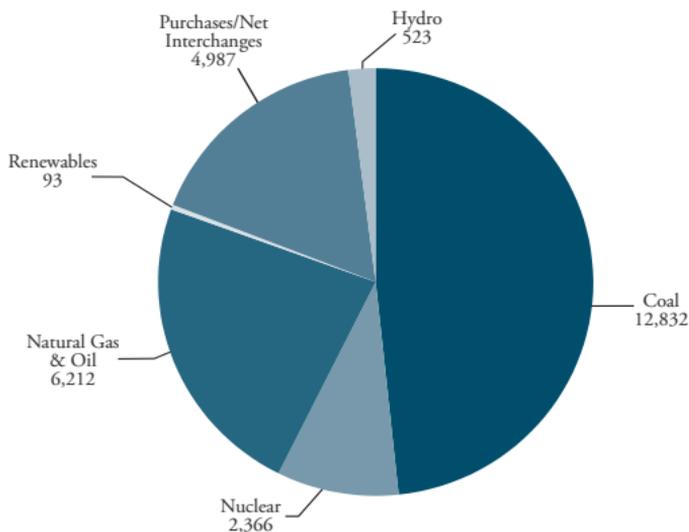
Year	Hydro	Coal	Nuclear
2015	2	48	9
2014	2	59	8
2013	2	51	10
2012	1	58	9
2011	1	71	9
2010	2	75	10
2009	2	78	9
2008	1	77	9
2007	1	81	10
2006	1	75	10
2005	2	73	10



Natural Gas & Oil	Renewables	Purchases/Net Interchanges
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
4	0.3	9
4	0.2	4
8	0.2	6
8	0.2	7

Generation and Purchases (GWh)

<u>Year</u>	<u>Hydro</u>	<u>Coal</u>	<u>Nuclear</u>
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
2008	212	21,189	2,385
2007	337	22,811	2,826
2006	335	19,621	2,503
2005	482	19,033	2,485



Natural Gas & Oil	Renewables	Purchases/Net Interchanges
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
1,193	77	2,463
1,114	64	880
2,036	61	1,733
2,122	44	1,957

Customers

Wholesale Distribution Cooperatives

(represented by Central Electric Power Cooperative, Inc.)

Central is a generation and transmission cooperative that provides electric service to each of the 20 distribution cooperatives.

<u>Cooperative</u>	<u>Customers</u>
Aiken Electric Cooperative	45,986
Berkeley Electric Cooperative	85,975
Black River Electric Cooperative	31,632
Blue Ridge Electric Cooperative ¹	63,678
Broad River Electric Cooperative ¹	20,553
Coastal Electric Cooperative	11,513
Edisto Electric Cooperative	19,918
Fairfield Electric Cooperative	26,723
Horry Electric Cooperative	69,891
Laurens Electric Cooperative ¹	54,132
Little River Electric Cooperative ¹	14,014
Lynches River Electric Cooperative	20,608
Marlboro Electric Cooperative	6,522
Mid-Carolina Electric Cooperative	53,224
Newberry Electric Cooperative	13,885
Palmetto Electric Cooperative	68,733
Pee Dee Electric Cooperative	30,209
Santee Electric Cooperative	43,977
Tri-County Electric Cooperative	17,860
York Electric Cooperative ¹	46,521

¹Transitioning load to 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: 174,023

Santee Cooper owns distribution facilities in Berkeley, Georgetown and Horry counties. These service areas include 2,841 miles of distribution lines.

Large Industrial Customers

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

Sales and System Peak Loads

Year	Sales (GWh)	System Peak (MW)
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
2008	26,687	5,650
2007	27,221	5,563
2006	25,422	5,195
2005	25,064	5,371
2004	24,451	5,088

Transmission and Distribution

Miles of Transmission Lines	5,029
Miles of Distribution Lines	2,841
Transmission Substations	105
Distribution Substations	54
Central Electric Power System Delivery Points	455

Year in Review

At 5 p.m. on May 10, 2015, members of the Santee Cooper Board of Directors gathered by telephone for what was probably the first Santee Cooper Board meeting held on a Mother's Day. Unusual times called for unusual measures: It isn't every year that Volvo places a new automobile manufacturing facility.

Santee Cooper's Board gathered that Sunday to vote on an economic development package that was a critical part of Team South Carolina's all-in effort to land the new Volvo plant, which represents an initial \$500 million investment and 2,000 jobs, both of which could double.

Land it we did, thanks to the leadership of South Carolina Gov. Nikki Haley, Commerce Secretary Bobby Hitt, the South Carolina Power Team, Edisto and Berkeley electric cooperatives, and many other elected officials and agency leaders who pulled together in a tight race for Volvo's first U.S. automobile manufacturing plant. Santee Cooper's role in this deal was to work with Berkeley County and purchase a 6,800-acre tract of land where Volvo is now building the plant. Our Board also approved loans and grants from our existing economic development programs, and Santee Cooper will generate the electricity that Edisto Electric Cooperative distributes to the plant site.

As if all of this wasn't good enough news, Volvo is only using part of that 6,800-acre tract. Santee Cooper is working with the Power Team and our electric cooperative partners, alongside other state leaders, to recruit additional suppliers and manufacturers to develop and populate a first-rate industrial park on the remaining land. Electric service throughout the park will be transmitted from Santee Cooper generating stations and delivered by Edisto Electric Cooperative, Berkeley Electric Cooperative and Santee Cooper, meaning that those incentives approved in the historic Mother's Day board meeting are an investment that will benefit all of Santee Cooper customers for decades to come.

Meanwhile, Santee Cooper's loan and grant programs continued to help other partners across the state in local governments and nonprofit economic development corporations. Together, we are continuing to help build out industrial spec buildings and other infrastructure to attract industry, provide jobs, and improve our state's economy.

Santee Cooper will power all of these projects, either directly or through the cooperatives and municipalities, and so they also make good sense for our system and existing customers.

A big part of that power in the future will come from two new units that we are building with partner SCE&G at V.C. Summer Nuclear Station. We contracted in 2008 with Westinghouse to build two AP1000 nuclear power units,

Continued on pages 23-24

Year in Review (continued)

which are scheduled to be online in 2019 and 2020. Nuclear power is reliable and emissions-free, and the new units are a big part of our plan to comply with new Environmental Protection Agency regulations restricting carbon dioxide emissions.

In October, we agreed to changes in our agreement with Westinghouse, which acquired assets of a second partner in the construction consortium and now has more control over the project. The amended agreement also gives Santee Cooper and SCE&G more certainty on price and schedule going forward. This is good news for us and for our customers.

Turning to rates, we approved a two-year rate adjustment that will increase costs to residential, commercial, and industrial customers an average of 3.75 percent each of those two years. Employee efforts to keep costs down helped us put off this rate increase; our last adjustment was in 2013, and this new one takes effect in April 2016. A major driver of the rate increase is our nuclear project. Remember, though, nuclear power features low fuel and operating costs once it's built.

Santee Cooper continues to be regarded favorably by bond investors, with successful bond sales in 2015 totaling \$1.4 billion and credit rating agencies holding steady on our ratings. Some \$1.1 billion in bonds were issued in February, nearly half of that as refunding bonds providing net present value savings of \$58.8 million over the life of the bonds. We issued another \$300 million in revenue bonds in December. Proceeds from these sales are primarily being used to finance the nuclear construction project.

In other generation news for 2015, Santee Cooper retired our final two fossil fuel units at Jefferies Generating Station, for a total of six fossil fuel units (four coal, two oil) that we have retired because retrofitting them for new regulations was cost prohibitive. Jefferies Hydroelectric Station, Santee Cooper's original generating facility, will continue to operate.

Related to the 2012 closing of Jefferies and Grainger generating stations' coal units is the ongoing excavation of our ash ponds at these stations and also at Winyah Generating Station. Our ash-pond excavation has gained national attention as an innovative approach to closing ash ponds and using (recycling) the ash for beneficial purposes. We are delivering this ash to cement and concrete product companies, so with this program we are eliminating an environmental concern, providing a raw material that sustains jobs and the economy, and doing so in a way that is cost effective for our customers. We beneficially used 531,706 tons of pond ash in 2015.

Continued on page 24

Year in Review (continued)

Increasing our nuclear capacity and reducing our fossil generation are two parts of Santee Cooper's ongoing fuel diversification. Renewable generation is another component, and our signature Green Power program saw a major milestone last year: generation of its 1 millionth megawatt-hour on Aug. 25. Santee Cooper was the first utility in South Carolina to generate renewable energy for our customers in 2001, when we opened the Horry County Landfill Generating Station. Santee Cooper Green Power is produced from South Carolina resources that meet strict national consumer and environmental standards, and our customers can voluntarily purchase Green Power for their homes and businesses. Santee Cooper then reinvests all Green Power sales revenue into new renewable energy projects.

We set a new peak demand record of 5,869 MW on Feb. 20 between 7 and 8 a.m.

Mother Nature created a bigger challenge as fall set in, with record flooding across South Carolina in October and a continued abundance of rain in November and December. Santee Cooper opened our spillway gates for several days in October, again in November, and on Christmas Day for a prolonged spill of more than three weeks. Spilling is a normal part of hydroelectric operations, although the 2015 spills were larger and longer in duration than in recent history. Santee Cooper's dams and dikes remained safe and secure throughout each of these spilling periods.

Santee Cooper is charged with being the state's leading resource to improve the quality of life for all South Carolinians. We look back on 2015 as a year full of achievements and initiatives that make this mission possible.

As we look to the future, Santee Cooper will continue to emphasize sound business practices that will keep us lean and agile. As we continue to diversify in generation, we will look for opportunities to add practical renewable generation and grow our customer base to benefit all of our customers. We will continue to deliver on our responsibility to provide low-cost, reliable electricity that promotes economic development, and to do so with excellent customer service.

Green Power

2015 Green Power sales: 21,352 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.

2015 Green Power Customers

Residential.....	1,215
Commercial	356
Industrial.....	1
Customers reached through cooperatives and municipalities	3,095
Green Tag customers	40

Sites	Generating Capacity	Commercial Operation Date
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

Santee Cooper continues to significantly reduce its emissions of sulfur dioxide (SO₂) and nitrogen oxide (NO_x) from its fossil-fired units. Since 2000, SO₂ emissions and NO_x emissions have been reduced by more than 91 percent and 88 percent, respectively. Mercury emissions have been reduced by more than 15 percent over the same timeframe.

Santee Cooper has already cut carbon dioxide (CO₂) emissions 23 percent and is on track to cut CO₂ emissions 37 percent by 2030, compared to 2005 levels.

The retirement of fossil units at Grainger and Jefferies generating stations has contributed to this downward trend, as has an increased reliance on natural gas generation and the pursuit of additional nuclear capacity. 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 the 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 as well as record turtle deaths through the Sea Turtle Stranding and Salvage Network.

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.

Continued on pages 27-29

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.

Continued on pages 28-29

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

Santee Cooper manages more than 27,000 acres of forest land around lakes Marion and Moultrie in Berkeley, Calhoun, Clarendon, Orangeburg and Sumter counties. Also, associated forest lands at generating station sites are managed in Anderson, Florence, Georgetown, Jasper and Spartanburg counties. The majority of Santee Cooper forest lands are certified through the American Tree Farm System (ATFS) as sustainably managed forest lands. The ATFS recognizes forest landowners who produce a sustainable timber harvest in conjunction with protecting soil and water quality, enhancing wildlife habitat, and providing recreational opportunities.

Continued on page 29

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, opened in 1989. It features an Interpretive Center, theater and classroom. Schoolchildren 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 insects, reptiles, trees and wetlands.

The park features four 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 1843, provides a scenic overlook at the point where the west branch of the Cooper River begins.

Old Santee Canal Park is host to the annual Celebrate The Season holiday festival. This charitable community event features a holiday lights driving tour, weekend festivals, a fun run and more. In the past four years, Celebrate The Season has raised over \$562,000 for charities serving Berkeley County.

Environmental Intern Program

The Environmental Intern Program turned 25 in the summer of 2015 and has hosted a total of 261 participants since 1990. Interns spend the summer with Santee Cooper where they learn about an electric utility's role in balancing the generation, transmission, and distribution of electricity with the challenges and opportunities of renewable energy and other environmental matters.

Recycling

Between July 2014 and July 2015, Santee Cooper recycled the following:

- Ash: 658,328 tons
- Gypsum: 437,089 tons
- Concrete: 2.2 million lbs.
- Ferrous Metals: 2 million lbs.
- Mixed Wood: 1 million lbs.
- Commingled Recyclables: 533,046 lbs.
- Mixed Metal: 104,085 lbs.
- Tires: 22,300 lbs.
- Used Oil Filters: 20,748 lbs.
- Rechargeable Batteries: 8,996 lbs.
- Fluorescent Tubes: 2,150 lbs.
- Other Items: 1,946 lbs.

Environmental Scorecard

The Environmental Scorecard began in 2015 and is designed to engage employees to reduce Santee Cooper's overall environmental footprint. The scorecard highlights environmental stewardship programs, shows targets for these programs and communicates progress towards achieving each of these measures.

The centerpiece of the 2015 Environmental Scorecard was to reduce electricity use in Santee Cooper's commercial buildings by 3 percent. The end result was a 6.1 percent reduction of electricity use in these buildings. The scorecard also tracked the number of environmental incidents and the amount of office waste produced.

The Environmental Scorecard has been expanded in 2016 to include reducing the amount of printing and copying and improving the fuel economy for fleet vehicles.

GOFER

Give Oil for Energy Recovery, GOFER, is Santee Cooper's used motor oil collection and recovery program. Santee Cooper started GOFER in 1990 to give people throughout South Carolina a convenient place to properly dispose of used motor oil. GOFER has collected more than 30 million gallons of used motor oil in 25 years. Those 30 million gallons have safely been converted into enough Santee Cooper electricity to power every average-sized home in South Carolina for 10 days.

In 2015, GOFER collected 1,149,923 gallons of used oil.
Visit www.scgofer.com for more information.

Economic Development

2015 represented an outstanding year for Santee Cooper and our electric cooperative partners. It all began with one of our strongest Januaries on record: By Jan. 28, we'd announced over \$190 million in capital investment and 800 new jobs. Just four months later we announced that Volvo Cars would be building its first U.S. facility in Berkeley County. The announcement represented a \$500 million capital investment and 2,000 jobs.

There is much work that goes on before any ribbon is cut or shovel of dirt is turned. For the staff of Santee Cooper and our partner, the South Carolina Power Team, this involves marketing our service territories directly to company executives, site location consultants and industrial product developers.

Santee Cooper's economic development activities in 2015 included:

- Supporting the development of nine new industrial properties through our economic development loan program
- Locating a CSX Corp. Select Site in our direct service territory – one of only three CSX Select Sites in South Carolina
- Completing a consultant review of power-intensive sites
- Initiating the master plan for the commerce park adjacent to the future Volvo plant

Economic development staff also conducted 17 marketing missions and met in person with 137 companies and 22 site-location consultants.

The announcement of Volvo's first U.S. plant in our service territory has set a high bar for Santee Cooper's economic development team. In conjunction with the Power Team, Santee Cooper has an aggressive plan for 2016, which includes more targeted marketing focused on automotive suppliers and power-intensive manufacturers, continued product development through our loan program, and the construction of infrastructure for the commerce park adjacent to Volvo.

The South Carolina Power Team, Santee Cooper's economic development partnership with the electric cooperatives of South Carolina, significantly advanced development efforts throughout the state, especially in the more rural areas. In 2015, the efforts of Santee Cooper and its partners resulted in over 5,259 jobs, capital investment exceeding \$1.47 billion, and more than 77,775 kVA of new load.

Since 1988, the Power Team has been involved in 701 new industrial locations and existing industrial expansions representing more than \$13 billion in capital investment, over 68,000 new jobs, and an increase of 1,302 mVA.

Santee Cooper Customer Service Locations

Conway Office

100 Elm Street
Conway, SC 29526
843-248-5755
Fax: 843-248-7315

Myrtle Beach Office

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

Loris Office

3701 Walnut Street
Loris, SC 29569
843-756-5541
Fax: 843-756-7008

North Myrtle Beach Office

1000 2nd Ave. North
North Myrtle Beach, SC 29582
843-249-3505
Fax: 843-249-6843

Moncks Corner Office (Santee Cooper Headquarters)

One Riverwood Drive
Moncks Corner, SC 29461
843-761-8000
Fax: 843-761-4122

Pawleys Island Office

126 Tiller Road
Pawleys Island, SC 29585
843-237-9222
Fax: 843-237-8959

Murrells Inlet/ Garden City Office

900 Inlet Square Drive
Murrells Inlet, SC 29576
843-651-1598
Fax: 843-651-7889

Notes:

Santee Cooper closed the Carolina Forest and St. Stephen offices effective Dec. 31, 2015.

2016

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	1	2	3	4	5	6			1	2	3	4	5			
3	4	5	6	7	8	9	7	8	9	10	11	12	13	6	7	8	9	10	11	12		
10	11	12	13	14	15	16	14	15	16	17	18	19	20	13	14	15	16	17	18	19		
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24	25	26	27	28	29	30	28	29						27	28	29	30	31				
31																						
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July							August							September								
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30	31																					

○ Holidays

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



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