

2018-2019 PSC Strategic Planning

MISSION

The Public Service Commission serves the public by providing open and effective regulation and adjudication of the state's public utilities, through consistent administration of the law and regulatory process.

VISION

At the Public Service Commission of South Carolina, our vision is to be a leader of investor-owned public utilities regulation by adhering to and embracing the highest level of impartiality, excellence, professionalism, and transparency.

Strategic Goal 1:

Optimize the Effectiveness of Commission Processes and Systems

1. The Commission will use technology to increase its effectiveness:

(a) **Maintain the Order Index System by adding orders issued in 2018-2019**

The Commission updated its Order Index System by adding orders and directive orders throughout the fiscal year; as of September 2019, all orders and directive orders from the 2018-2019 fiscal year have been entered into the system.

(b) **Monitor Document Management System (DMS) activity through Google Analytics to understand stakeholder interest**

The Commission monitored its website and Docket Management System (DMS) through Google Analytics.

2. The Commission will improve internal efficiencies through the implementation of new systems and enhancements to existing systems:

(a) **Implement new phases of the Document Management Systems (DMS) eService Enhancement Project**

The Commission completed Phase II of its Document Management Systems (DMS) eService Enhancement Project Management Plan and Business Requirements Plan. Some of the items in Phase II include, but are not limited to: electronic service agreement indicator, e-file confirmation, optimizing searches, and various security elements.

(b) Implement Quarterly IT Operational Plan for 2018-2019

The Commission implemented a Quarterly IT Operational Plan, which included software and security analysis, contract management, and cybersecurity training.

Strategic Goal 2

Promote Operational Excellence and Transparency

1. The Commission will maintain an ongoing dialogue with various stakeholder groups regarding the Commission's regulatory mission and vision:

(a) Reinstate pop-up surveys on DMS and PSC website

The Commission initially implemented a pop-up survey on its DMS to understand what areas of the DMS needed improvement. This survey was taken down in March 2018 due to functionality issues; the Commission's Systems Programmer attempted to address the issues and re-implement the survey. However, functionality issues persisted with different browsers, so the Commission will continue to work on the survey.

(b) Assess additional platforms for the mobile text-alert system

The Commission utilized a mobile text alert program to notify subscribers when Commission Business Meeting Agendas are added to the DMS. The Commission assessed additional platforms for issuing text alerts, and plans to expand this service to other areas of communication in the future.

(c) Continue to use a digital newsletter platform to communicate with stakeholders quarterly

The Commission used its digital newsletter platform to communicate with stakeholders.

(d) Monitor PSC ads and the consumer education website with The State Media Company

During the 2017-2018 fiscal year, the Commission contracted with The State Media Company to implement a consumer education website, www.scutilityconsumer.com. The Commission maintained a blog on this website, which provided consumer information, such as articles regarding energy savings and Commission activities. During this review period, there were 4,472 visitors to the blog. Other Commission social media accounts include: (1) SC Utility Consumer Facebook, (2) SC Utility Consumer Twitter, (3) PSC Facebook, and (4) PSC Twitter. During this review period, the Commission promoted its consumer education website through state media outlets, and traffic to the site and the Commission's social media accounts have increased.

(e) Procure and implement livestreaming video equipment

The Commission procured and implemented livestreaming video equipment, and livestreamed its Commission Business Meetings, major hearings, and Allowable Ex Parte Briefings. During the review period year, 58,500 sessions were livestreamed with 16,000 users.

The Commission also worked to implement and enhance transparency initiatives through projects such as a public Commissioner Travel Calendar, livestreaming of Commission events and a link to the livestreamed event in the relevant docket on the Docket Management System, and post-Commission Business Meeting comments and synopsis regarding the Commission's decisions each week.

(f) Communicate with PSC Advisory Committee regarding Commission resources and procedures

The Commission hosted two Advisory Committee meetings to receive input from stakeholders on the Commission's online systems, processes, and procedures, and procedural matters related to implementing Act 62 (2019).

2. The Commission commits to promoting forward thinking by, in part, anticipating and forecasting future necessary expenditures and documenting life cycles of existing assets to effectively manage its resources:

(a) Continue forecasting by analyzing and updating PSC IT Strategic Roadmap 2019-2029

The Commission analyzed the PSC IT Strategic Roadmap 2019-2029. This roadmap allowed the Commission to forecast and review anticipated expenditures and IT needs. Planning meetings were held throughout the review period.

(b) Continue to monitor life cycles of existing assets

The Commission documented and monitored life cycle information of existing technology assets. Documentation included year purchased, average life cycle of the asset and warranty information.

Strategic Goal 3:
Risk Management

1. Create a culture of risk awareness through the development, implementation and maintenance of an enterprise risk management program:

(a) Review and update risk management plan

The Commission reviewed and updated its risk management plan. Based on the impact of identified risks, the Commission created a plan regarding whether to mitigate, contingency plan, transfer or avoid the risks.

(b) Implement monthly employee health and wellness initiatives

The Commission released and held nine health related communications and events, such as an onsite health screening and discussion regarding stress and weight management. In fiscal year 2020, the Commission has designated a Health and Wellness Coordinator to plan, develop and coordinate the implementation of monthly health and wellness initiatives for the agency, as well as quarterly health and wellness related activities for staff members.

2. Ensure information technology resources are utilized to implement continuing security initiatives:

(a) Conduct cybersecurity training

The Commission conducted cybersecurity training during the review period. As of June 30, 2019, 74% of the Commission's staff and commissioners completed online training, and 100% completed the training as of September 2019.

(b) Conduct a security audit and vulnerability scan

The Commission conducted security audit and vulnerability scans of its information technology systems. The Commission's system programmer is currently assessing the time and cost estimates to remedy issues identified in these scans.

(c) Continue planning for building security, upgrades, budget, and schedule

The Commission continued to plan for building security, upgrades, budget and schedule needs. The Commission received a report from its security contractor, Chief Security Solutions, with recommendations to improve building security; the Commission is currently analyzing these recommendations.

Strategic Goal 4:
Maintain Commitment to an Engaged Adjudicatory Process

1. The Commission will provide expert staff support to the Commission through analysis and collaboration:

(a) Holding in-house educational seminars on regulatory topics for Commissioners and staff, and utilizing outside experts when necessary, to inform and instruct Commissioners and staff on emerging topics in the regulatory arena

The Commission held in-house educational sessions regarding financial and economic matters, as well as legal writing. Additional research documents were added to the Commission's database.

(b) Preparation by staff for Commission proceedings by analyzing technical information

The Commission staff analyzed technical information from industry blogs and provided updates to the Commissioners.

(c) Providing weekly updates by staff to Commissioners

Commission staff provided weekly updates to Commissioners regarding matters before the Commission. These updates included summarizing testimony, discussions of current events in the regulatory world, and guidance on questions posed during the hearing preparation.

(d) Participate in national organizations

Commissioners actively participated in NARUC, SEARUC, NRRI and other national organizations. Commissioners and staff participated in webinars and teleconferences and attended seminars, conferences and workshops concerning current and emerging issues within the regulatory arena.

2. The Commission will ensure strict adherence to State ethics laws and the Code of Judicial Conduct:

(a) Holding ethics seminars each year for Commissioners and staff in accordance with S.C. Code of Laws §58-3-30(C)

The Commission conducted its annual ethics training for Commissioners and staff, held jointly with the Office of Regulatory Staff.

(b) Providing Commissioners and staff regular updates on ethical topics and developments

The Commission provided Commissioners and staff with regular updates on ethical topics and developments through its newsletter, PSC Ethics Watch.

(c) Responding to ethical issues

The Commission responded to ethical issues throughout the year and provided guidance and training when needed.

EXHIBIT B

COMMISSIONER QUESTIONNAIRE PERFORMANCE SUMMARY

NAME JOHN E. 'BUTCH' HOWARD
SEAT 1
DATE ELECTED 2004
DATE TERM EXPIRES 2020

Please provide information for the review period covering July 1, 2018 through June 30, 2019. Be sure to fully address each item.

I. Educational programs:

There are three NARUC Meetings a year, these offer many opportunities to take advantage of many programs in just about all major fields we regulate. There is a wide variety of speakers and panels.

A. National Association of Regulatory Utility Commissioners (NARUC) Summer Policy Meeting

NARUC's annual summer meeting convenes a series of meetings that provide in-depth analysis of policy issues that are relevant to state utility regulators that uphold the tenets of serving the public interest: safe, reliable and affordable service.

Committee on Consumers and the Public Interest participated in the "Poverty Simulation" – an exercise in seeing first-hand some of the problems that low-income consumers face in their daily lives. This exercise identified specific ways Commissioners, utilities and consumer advocates can collaborate.

Other meetings attended: The Subcommittee on Education and Research, that I chair; NARUC Board Meeting, Current Issues Advisory Council, EPRI Advisory Council Meeting and the NRRI Board Meeting. (Time spent out of office: three (3) days – Meeting lasted from Saturday at Noon thru Wednesday afternoon)

B. National Association of Regulatory Utility Commissioners (NARUC) Annual Meeting

The Annual Meeting is dedicated to the election and installation of officers and mostly concurrent sessions. I drove to the meeting to Chair the Subcommittee on Education and drove back on Sunday for PSC Meeting. (Time spent out of office: zero (0) days)

C. National Association of Regulatory Utility Commissioners (NARUC) Winter Meeting

The Winter Meetings are always held in Washington, DC, and give us access to many Congressional leaders and the federal governmental agencies that impact the utilities we regulate, e.g., FCC, FERC, EPA, DOE, and other agencies that govern our utilities on the federal level. (Meeting lasted from Saturday thru Wednesday (Time spent out of office: three (3) days).

D. Electric Power Research Institute (EPRI): A NARUC Representative to the Advisory Committee - Summer Seminar- Representatives from regulatory, academic, environmental and scientific along with finance and business sectors advise EPRI management on trends in political, economic and social issues. Ensures research relevance and balance in serving the public interest. This seminar focused on the National Electrification Assessment (Time spent out of office: three (3) days)

E. Current Issues: New Mexico State University: Member of Advisory Committee

Commissioners and Industry Leaders discussed important issues facing the electric, natural gas, water and telecommunications industries. Some of the topics discussed were “Cyber Threats to Critical Infrastructure and Integrated Resource Planning in our era of electricity transformation – which today is very beneficial in the implementing of the IRP requirements of Act 62 - Renewable Energy and Economic Development. Meeting lasted from Sunday thru Wednesday (Time spent out of office: three (3) days).

F. National Association of Water Companies (NAWC) SE Chapter Meeting:

Infrastructure Summit - This was a meeting featuring Commissioners, Consumer Advocates, Utilities Members, Environmentalists, and representatives from Wall Street. Several areas of concern were discussed in panels, some of the subjects were: Emerging Contaminates, Communicating with Customers and I participated on a panel discussing “water loss management”. Meeting lasted from Sunday thru Monday (Time spent out of office: one (1) day).

G. Southeastern Association of Regulatory Utility Commissioners (SEARUC): Annual meeting of Commissioners from the southeast - discussing various topics concerning our regional concerns. Panels featured issues with water, natural gas, broadband to rural areas, also electric vehicles and their future were some of the issues discussed. Meeting was from Sunday thru Wednesday (Time spent out of office: three (3) days).

II. Eastern and Western Utilities Rate Schools

I am the liaison for the Subcommittee on Education & Research between NARUC and the Utility Rate School. Generally, meet twice a year. (Time spent out of office: four (4) days each school)

In House Education:

- June 26, 2019, at 10:00 AM: Non-Docket 2019-15-E: Allowable Ex Parte Briefing to Discuss Johnson Development Associates and House Bill 3659
- June 12, 2019, at 2:00 PM: Non-Docket 2019-13-E: South Carolina Solar Business Alliance, Incorporated - Allowable Ex Parte Briefing to Discuss The South Carolina Energy Freedom Act: An Overview and Next Steps
- May 29, 2019, at 10:00 AM: Non-Docket 2019-6-WS: Blue Granite Water Company - Allowable Ex Parte Briefing to Discuss State of the Company

- April 30, 2019, at 10:00 AM: Non-Docket 2019-2-A: Allowable Ex Parte Briefing Regarding Colite Technologies' Products and Services
- April 4, 2019, at 2:00 PM: Non-Docket 2019-3-E: Inquiry Regarding Tree Trimming and Potential Alternatives
- March 7, 2019, at 10:00 AM: Docket No. 2017-370-E: Joint Application and Petition of South Carolina Electric & Gas Company and Dominion Energy, Incorporated for Review and Approval of a Proposed Business Combination between SCANA Corporation and Dominion Energy, Incorporated, as May Be Required, and for a Prudency Determination Regarding the Abandonment of the V.C. Summer Units 2 & 3 Project and Associated Customer Benefits and Cost Recovery Plans
- February 19, 2019, at 10:00 AM: Docket Nos. 2013-298-E, 2016-149-E, and 2017-381- Application of Duke Energy Carolinas, LLC for Approval of New Cost Recovery Mechanism and Portfolio of Demand-Side Management and Energy Efficiency Programs-Ex Parte Briefing; Application of Duke Energy Progress, LLC Requesting Approval of Its Proposed Home Energy Improvement Program HEIP-6; Office of Regulatory Staff's Petition for an Order Requiring Utilities to Report the Impact of the Tax Cuts and Jobs Act--Allowable Ex Parte Briefings
- February 14, 2019, at 2:00 PM: Docket No. 2017-370-E: Request by Commissioner Williams in Order No. 2019-100 for Briefing by the Office of Regulatory Staff Regarding: Commission Order No. 2019-100 and Customer Education Plan in Order No. 2018-804
- February 6, 2019, at 2:30 PM: Docket No. 2017-370-E: Requested Allowable Ex Parte Briefing (Mr. Jerry Harvell) Regarding: Merger
- January 24, 2019, at 2:00 PM: Docket No. 2017-370-E: Requested/Scheduled Allowable Ex Parte Briefing Regarding Dominion, Inc., and Advertised \$1000 Rebate
- December 18, 2018, at 10:00 AM: Non-Docket 2018-33-EC: TAS Strategies; Drexel Hamilton, LLC; Loop Capital Markets; Ramirez & Company and Williams Capital Markets Group Allowable Ex Parte Briefing Regarding South Carolina Utility Diversity in Financial Services
- October 25, 2018, at 10:00 AM: Non-Docket 2018-27-E: Duke Energy Carolinas, LLC and Duke Energy Progress, LLC Request for an Allowable Ex Parte Briefing Regarding Integrated Resource Planning (IRP) Process, Including an Overview of the Recently Filed IRP and Renewable Energy Purchases under PURPA; and Hurricane Florence Update
- October 23, 2018, at 2:00 PM: Non-Docket 2018-23-E: South Carolina Solar Business Alliance, Incorporated Request for an Allowable Ex Parte Briefing Regarding Avoided Cost, Resource Planning and Energy Storage in an Era of Low-Cost Solar
- October 12, 2018, from 9:00AM-4:30PM: Mandatory Ethics Training for Commissioners and Staff – Joint Ethics Training with the Office of Regulatory Staff (ORS)
- July 23, 2018, at 10:00 AM: Non-Docket 2018-19-E: Duke Energy Carolinas, LLC and Duke Energy Progress, LLC Request for an Allowable Ex Parte Briefing Regarding Managing Duke Energy Hydroelectric Projects

2. Participation in organizations:

- **National Association of Regulatory Utility Commissioners (NARUC)**

Board of Directors

Chair of Subcommittee on Education and Research

Member of Consumer and Public Interest Committee

Member and past chair of Committee on Water

- **Southeastern Association of Regulatory Utility Commissioners (SEARUC)**
- **National Regulatory Research Institute (NRRI)**

Member Board of Directors

As a member of the Board, I am aware of all the information available to commissions and how I can use that information to enhance my knowledge of various subjects. The latest is a series of Webinars sponsored by the Committee on Consumers and Public Interest on "Disconnections and Delinquencies". This model helps track the reasons for utilities disconnections and propose methods for ensuring that consumers do not lose service without proper notice and assistance.

There is one retreat a year and I am away from the office one (1) day - the remaining meetings are held during the NARUC meetings.

- **New Mexico State University Current Issues Advisory Council**
- **Electric Power Research Institute (EPRI) – Advisory Council**

3. Representation in Official Capacity as Commissioner:

- Addressed the South Carolina Energy Users Committee's at their annual spring meeting on the events of the Public Service Commission (Time spent out of office – less than ½ a day).
- NARUC New Commissioners Regulatory Orientation (NCRO) – Orientation for new Commissioners (less than one year) (Time spent out of office three (3) days).

4. Notable Cases:

- **Duke Energy Carolinas, LLC (Docket No. 2018-319-E):** In this rate application, the Commission held three public night hearings in the Company's service territory and a five-day merits hearing. This was the first fully contested electric rate hearing in many years. The prior rate case brought by the utility was heard in 2013 after the entry of a settlement agreement. In addition to the utility and the Office of Regulatory Staff, eight intervenors made appearances and presented testimony in this case. In its initial application, the utility sought a net revenue increase of approximately \$168 million and a return on equity of 10.50 percent. Most controversially, the Company initially requested an increase in the Residential Basic Facilities Charge from \$8.29 to \$28.00 per month. The Company later agreed to accept a Residential BFC of \$11.96 per month. Following its review of all the evidence, the Commission approved a net revenue increase of approximately \$106,931,000

and a return on equity of 9.50% in Order No. 2019-323. The most significant disallowance adopted by the Commission excluded \$469,894,472 incurred by the Company in complying with the North Carolina Coal Ash Management Act. The Commission's order on the utility's motion for rehearing and reconsideration is pending, and the utility is expected to appeal the Commission's decision to the Supreme Court of South Carolina.

- **Kiawah Island Utility, Incorporated (Docket No. 2018-257-WS):** A hearing was held on this rate application on March 28, 2019 and the Commission issued Order No. 2019-288. The parties in this case were Kiawah Island Utilities, the Office of Regulatory Staff, and the St. John's Fire District. A major issue in this proceeding was the hydrant fee that the utility was proposing to charge the St. John's Fire District. However, this matter was settled by including the charge in rates rather than being assessed against the Fire District, and therefore its customers, some of whom do not have fire hydrants in their area. The Order in this proceeding approved Kiawah Island Utilities' request for an Adjustment of Rates and Charges. Specifically, that order approved an operating margin of 14.25% and an overall revenue requirement of \$9,018,251. This overall revenue requirement establishes rates and charges that will produce additional annual revenues of \$511,406.
- **Consolidated Dockets Concerning Abandonment of SCE&G Nuclear Project, Emergency Rate Relief, and Merger of SCE&G with Dominion Energy (Dockets No. 2017-207-E, 2017-305-E, and 2017-370-E):** In 2008, SCE&G began construction of two Westinghouse AP1000 nuclear units at the V.C. Summer site in Jenkinsville, South Carolina. Over the course of the following nine years, SCE&G invested approximately \$5 billion dollars in the Project, an amount roughly equal to its non-nuclear electric rate base.

SCE&G abandoned the Project on July 31, 2017. This happened approximately four months after its contractor, Westinghouse Electric Company, LLC ("Westinghouse" or "WEC"), filed bankruptcy and immediately after SCE&G's co-owner, the South Carolina Public Service Authority ("Santee Cooper"), ceased funding the Project. At the time of the abandonment, recovery of capital costs on its investment in the Project constituted approximately 18% or \$445 million of SCE&G's annual retail electric revenue.

The Sierra Club and Friends of the Earth filed a petition in Docket No. 2017-207-E (Friends of the Earth and the Sierra Club v. South Carolina Electric & Gas Co.) prior to abandonment of the Project asking the Commission to end funding for the Project and to grant reparations under S.C. Code Ann. § 58-27-960. The South Carolina Office of Regulatory Staff ("ORS") filed a petition in Docket No. 2017-305-E (Request of the Office of Regulatory Staff for Rate Relief to South Carolina Electric & Gas Company's Rates Pursuant to S.C. Code Ann. § 58-27-920) seeking emergency rate relief under S.C. Code Ann. § 58-27-920.

Numerous parties intervened in PSC Dockets Nos. 2017-207-E and 2017-305-E, and after receiving and reviewing myriad filings by the various parties, the Commission, then chaired by the Honorable Swain E. Whitfield, heard two days of arguments to determine whether these dockets would proceed. On December 20, 2017, in Order Nos. 2017-769 and 2017-770, the Commission found that the Office of Regulatory Staff and Friends of the Earth and the Sierra Club had met the threshold required for their respective dockets to continue, and therefore denied SCE&G's motions to dismiss.

Subsequently, Dominion Energy proposed to purchase SCANA. The proposed business combination would include merger benefits of approximately \$3.8 billion to be provided to

SCE&G's customers in resolution of the regulatory issues surrounding the Project. This amount of merger benefits appeared to be unprecedented in utility mergers. The merger's benefits initially offered included immediate one-time payments to customers of \$1.3 billion upon closing of the merger, write-offs of nuclear Project and other generation assets and regulatory assets of \$1.9 billion, and reductions to on-going bills of \$575 million, all of which were included in a regulatory proposal known as the "Customer Benefits Plan." To offset the financial impacts of these concessions on SCE&G, Dominion Energy offered to use capital from its balance sheet to infuse equity into SCE&G and to support the refund benefits offered under the Customer Benefits Plan. Dominion Energy also agreed to merger conditions including protections for SCE&G employees and customers, infrastructure investment and service level commitments, and continued local leadership of SCE&G's operations. SCANA announced its agreement to the plan of merger on January 3, 2018.

On January 7, 2018, the Joint Applicants initiated Docket No. 2017-370-E, seeking approval of the merger and adoption of the regulatory plan proposed by Dominion Energy (the "Customer Benefits Plan"). The Joint Application also presented two disfavored alternative plans that SCE&G proposed absent the merger. Those plans are the "No Merger Benefits Plan" and the "Base Request." The primary relief sought in the Joint Application was approval of the merger and adoption of the Customer Benefits Plan.

On June 28, 2018, the General Assembly adopted legislation ("Act 258") requiring, among other things, a temporary reduction in SCE&G retail electric rates of approximately 15%, amending the BLRA. The Commission implemented the mandated rate reduction by Order No. 2018-459, dated July 2, 2018.

The Commission held a three-week-long hearing, from November 1 through November 21, 2018, in this complex consolidated matter. The Commission received testimony from 44 witnesses. The evidentiary record compiled in the course of the proceeding was voluminous. The analysis required of the Commission and Staff was intensive and challenging.

In deciding this matter, the Commission was required to determine which plan would (1) provide maximum customer benefits; (2) bring finality and certainty; and (3) be in the public interest of South Carolina ratepayers. Within the bounds of the law and the evidence of record in this case, the Commission was required to choose between adopting the Customer Benefits Plan—B Levelized (a modification of the original Customer Benefits Plan that provided additional rate relief) and allowing the Dominion Energy merger to close, or, adopting ORS's Optimal Benefits Plan and almost certainly letting the Dominion Energy merger fail. The Commission chose the former. The Commission concluded in Order No. 2018-804(A), after exhaustive analysis, that the plan proposed by the Joint Petitioners would provide immediate and sustained bill reductions to customers coupled with strong assurances that SCE&G would continue to operate as a financially sound, reliable, and responsible utility going forward. SCE&G's electric bills would be brought into alignment with neighboring utilities and be well below national averages. This result would be achieved without material risk to SCE&G's solvency, creditworthiness, or ability to conduct its future utility operations safely, reliably, and efficiently. No other option before the Commission provided this combination of benefits. The Commission believed it had enormous value for all SCE&G ratepayers, stakeholders, and the State as a whole.

5. Accomplishments of the Public Service Commission:

This was a year of great change within the PSC. A major undertaking was instituting programs and policies to make certain everything the PSC does is totally transparent- every meeting is live streamed, so anyone can view all the PSC proceedings. Another area the Commission is actively engaged in is the social media - the PSC has an account and is active on Facebook, LinkedIn and Twitter. The Commission hired a media consultant to make sure our citizens are aware of the doing of the PSC.

Personally, I initiated two proceedings that were in the public interest:

- a. A meeting with officials of Dominion Energy to explain their tree trimming policies because of the concerns of many citizens of Charleston's historical area on the trimming of hundreds of years-old oaks. The Company explained their methodologies and the federal regulations governing their policies governed by safety and reliability. Senator Sandy Senn attended and made comments.
- b. I also initiated a workshop on the "round-up" or other possible programs that would give assistance to low-income customers in paying their utility bills. The workshop was well attended by both utilities that the PSC regulates, and some other regulated utilities participated.

6. Work Schedule and Preparation

A. About 90% of doing my job correctly is reading. Preparing for docketed cases require reading of the testimonies, exhibits and related materials. Other categories for reading include trade and professional magazines. Also, it is imperative that I keep up with current issues within the industry and the regulatory world. We are an industry that is in constant change, and we need to stay abreast of these changes. With that being said, I am in Columbia when we have scheduled hearings/meetings. I telecommute (6 hours per month) for Agenda Briefings when I am not in the office. Otherwise, I will be at home preparing for the upcoming hearings/meetings.

B. As indicated above, I compile a list or series of questions from what I read in testimonies.

7. Effect of Code of Judicial Conduct and South Carolina's ethics laws on your role as Commissioner.

As a Commissioner, our primary task is to protect the consumer's interest while ensuring a strong utility economy in our state. That task is impossible without a series of rules that guarantees that, at all times, we operate with total accountability. Our judicial ethics don't just protect the consumer from malpractice, but they protect us, the Commissioners, and safeguard our role. Without the accountability afforded by our codes of ethics, we can't have public trust and, without the trust of those we serve, we sabotage the vital work to which we dedicate ourselves.

NOTE: Do not provide any information that would violate the prohibition against ex parte communication or would otherwise violate any privilege.

Ethics Statement: I, Commissioner John E. "Butch" Howard have read and understand the Code of Judicial Conduct and the ethics laws of South Carolina. I certify that I have adhered to these standards at all times during this review period.

Signature: 

Date: 9/4/19

**COMMISSIONER QUESTIONNAIRE
PERFORMANCE SUMMARY**

NAME: FLORENCE P. BELSER
SEAT: SECOND DISTRICT
DATE ELECTED: FEBRUARY 6, 2019
DATE TERM EXPIRES: JUNE 30, 2022

Please provide information for the review period covering July 1, 2018 through June 30, 2019. Be sure to fully address each item.

1. Educational programs.

During the review period, I did not attend any educational programs outside the Public Service Commission of South Carolina ("Commission"). I attended several ex parte briefings held at the Commission. These ex parte briefings were noticed and held in accordance with S.C. Code Ann. §58-3-260 (2015). The ex parte briefings I attended were:

- February 19, 2019. **Allowable Ex Parte Briefing by Duke Energy Carolinas, LLC and Duke Energy Progress, LLC regarding proposed revisions to the Residential Smart Saver EE Programs (Docket Nos. 2013-298-E and 2016-149-E) and an update on the Tax Cuts and Jobs Act (Docket No. 2017-381-E).**
- February 20, 2019. **Allowable Ex Parte Briefing by AARP regarding Effects of Proposed Rate Adjustments on Consumers related to Docket No. 2018-319-E.** (Docket No. 2018-318-E: Application of Duke Energy Carolinas, LLC for Adjustments in Electric Rate Schedules and Tariffs and Request for an Accounting Order).
- March 7, 2019. **Allowable Ex Parte Briefing by South Carolina Electric & Gas Company and Dominion Energy, Inc. regarding Customer Education Program including Customer Service Information.** (Docket No. 2017-370-E: Joint Application and Petition of South Carolina Electric & Gas Company and Dominion Energy, Incorporated for Review and Approval of a Proposed Business Combination between SCANA Corporation and Dominion Energy, Incorporated, as May Be Required, and for a Prudency Determination Regarding the Abandonment of the V.C. Summer Units 2 & 3 Project and Associated Customer Benefits and Cost Recovery Plans).
- April 4, 2019. **Allowable Ex Parte Presentation by Dominion Energy, Inc. (formerly South Carolina Electric & Gas Company) regarding Tree Trimming and Potential Alternatives.** (Non-Docketed Matter 2019-3-E).
- April 30, 2019. **Allowable Ex Parte Briefing by Colite International regarding Colite Technologies, LTD's Products and Services.** (Non-Docketed Matter 2019-2-A).
- May 29, 2019. **Allowable Ex Parte Briefing by Blue Granite Water Company regarding the "State of the Company."** (Non-Docketed Matter 2019-6-WS).
- June 12, 2019. **Allowable Ex Parte Briefing by South Carolina Solar Business Alliance, Inc. regarding "The South Carolina Energy Freedom Act: An Overview and Next Steps."** (Non-Docketed Matter 2019-13-E).

- June 26, 2019. **Allowable Ex Parte Briefing by Johnson Development Associates, Inc. regarding Johnson Development Associates and House Bill 3659.** (Non-Docketed Matter 2019-15-E)

2. Participation in organizations.

I joined the Public Service Commission in February 2019, and during the review period ending June 30, 2019, I did not participate in or attend events sponsored or held by organizations.

I am a member of the National Association of Regulatory Utility Commissioners ("NARUC") and the Southeastern Association of Regulatory Utility Commissioners ("SEARUC"). Both organizations provide educational opportunities on utility issues and also provide the opportunity to share experiences, lessons, and issues with commissioners from other states.

Following the review period, I was appointed by the president of NARUC to the Committee on Energy Resources and the Environment ("ERE"). This committee studies and discusses emerging issues in the energy sector. Some of the topics discussed by the ERE Committee include energy efficiency, renewable and distributed resources, consumer protection, and environmental protection. The ERE Committee meets during the NARUC meetings in February, July, and November and holds a monthly conference call (lasting approximately one hour) in the months when no NARUC meeting is scheduled.

Anticipated time away from the office is for attendance at meetings. NARUC holds three meetings annually (usually in February, July, and November), and the SEARUC meeting is at the end of May or in June. Each meeting of both NARUC and SEARUC lasts approximately 3 to 4 days.

Participation in NARUC, SEARUC, and NARUC's ERE Committee will provide opportunities for education and discussion. Most sessions at the meetings are educational and offer the chance to learn from other utility regulatory commissioners as well as opportunities to gain regional and national perspectives on matters. These meetings benefit commissioners by providing educational opportunities. The Commission and the state benefit from Commissioners gaining additional education and enhancing knowledge and experiences.

3. Representation in Official Capacity as Commissioner.

I have not participated in any events in an official capacity other than the events listed in items 1 and 2 above.

4. Notable Cases.

- **Kiawah Island Utility, Incorporated (Docket No. 2018-257-WS):** Kiawah Island Utility, Inc. ("KIU") requested an increase in rates and charges of approximately \$825,623. KIU and the Office of Regulatory Staff ("ORS") presented a stipulation to the Commission for additional revenues of \$511,406 and an operating margin of 14.25%. The Commission approved the stipulation. One important issue in the case concerned a hydrant fee which KIU charged to the St. John's Fire District. The parties to the case worked to settle this issue and going forward the charges for fire hydrants will be included in rates rather than being assessed against St. John's Fire District. The resolution of this issue is appropriate because the fire hydrants are beneficial to the customers of KIU.

- **Duke Energy Progress, LLC (Docket No. 2018-318-E):** In this rate application, Duke Energy Progress, LLC ("DEP") requested rates to produce additional revenues of approximately \$69 million and a return on equity ("ROE") of 10.50%. By its application, DEP requested an increase in its Residential Base Facilities Charge from \$9.06 to \$29.00 with similar large increases to the Base Facilities Charge for other classes of customers. The hearing on this case was held over five days with DEP, the Office of Regulatory Staff, and ten intervenors participating in the hearing. The Commission also held two public night hearings in Florence and Sumter to afford customers of DEP the opportunity to address their concerns in a convenient forum without the need to travel to Columbia. Prior to the hearing, DEP agreed to limit the Base Facilities Charge to \$11.78 for residential customers and agreed to limit the requested Base Facilities Charge for other classes of customers as well. Based upon the evidence presented in this case, the Commission found a ROE 9.50% appropriate. With the accounting adjustments approved in the case and the ROE of 9.50%, the resulting revenue increase to DEP approved by the Commission was approximately \$41.5 million.
- **Duke Energy Carolinas, LLC (Docket No. 2018-319-E):** In this rate application, Duke Energy Carolinas, LLC ("DEC") requested rates to produce additional revenues of approximately \$168 million and a ROE of 10.50%. DEC requested significant increases in the Base Facilities Charges. For residential customers, DEC's proposed increase in the Base Facilities Charge was an increase from \$8.29 to \$28.00 per month. DEC later agreed to limit the proposed increase in the Base Facilities Charge for residential customers to \$11.96 as well as limit the Base Facilities Charges for other classes of customers. The hearing on this application lasted five days. In addition, the Commission held three public hearings in Spartanburg, Anderson, and Greenville; these public hearings were held in the DEC service area to provide a convenient forum for DEC's customers to provide testimony to the Commission on DEC's application. After hearing the testimony and evidence of record, the Commission approved a ROE of 9.50%. With the accounting adjustments approved in this case and the 9.50% ROE, the resulting revenue increase to DEC was approximately \$106.9 million.

My experiences gained as an attorney practicing in the realm of public utility regulation proved helpful to me in these cases and in the other cases heard by the Commission during my short tenure on the Commission. I have been able to understand the evidence of record and to discuss the evidence, regulatory principles, and applicable law with the Commissioners. The study of law is an ongoing endeavor. Similarly, the study of utility regulation is a constant process. While I did not attend any outside educational programs during the review period, I hope to pursue educational programs to further my knowledge and understanding of utility regulation and my role as a Commissioner. Continued study and educational opportunities will increase and enhance my knowledge of the regulatory process and will hopefully make me a better, more effective commissioner. I have learned something from every case I have worked on as an attorney or heard as a Commissioner, and I expect to continue to learn from future cases.

5. Accomplishments of the Public Service Commission

An important accomplishment of the Commission is the live-streaming of hearings and meetings. Providing access to the events of the Commission promotes transparency and allows anyone interested in a case to view the proceedings.

6. Work Schedule and Preparation.

As I am based in Columbia, I am in the office daily. I usually arrive by 8:45 a.m. and remain in the office for most of the work day. However, when the daily or weekly schedule requires extra time, I arrive at the office early or stay late. It is not unusual for me to arrive at the office before 8:00 a.m. or to be in the office after 6:00 p.m. or to be in the office on the weekend. I have not needed to telecommute, but I do read and review materials in the evenings and on weekends while at home.

Hearing preparation requires extensive reading. The Commission's regulations require parties to prefile written testimony and exhibits. I read the daily activity report to see what matters have been filed with the Commission. On most cases, I track the established dates for prefiling of testimony and exhibits so that I can obtain the prefilled testimony and exhibits with a few days of the documents being filed. I read the testimony and exhibits to identify the issues in a proceeding and make notes for reference and for further study. As additional documents are filed by the parties, I review those materials. Once all the testimony and exhibits are filed, I read through all the filed documents again to ensure that I am familiar with the parties' positions, evidence, and arguments. I also research and review relevant statutes and case law on the issues presented. After a hearing, I review post trial briefs or proposed orders and may review the hearing transcript or hearing record. Throughout the process, the Commission Staff is available to assist with issues. I also find discussions with other Commissioners helpful and appreciate the insight of my fellow Commissioners.

7. Effects of Code of Judicial Conduct and South Carolina's ethics laws on your role as Commissioner.

I am the newest Commissioner on the Public Service Commission, and I am honored to hold this office. I take the responsibilities of this office seriously and strive to carry out my duties as a Commissioner in a professional manner. I view the state ethics laws and the Code of Judicial Conduct as rules to help me be a good, effective Commissioner and state employee. Public trust is essential to government and is essential to being a good Commissioner. It is important that we are fair, impartial, and unbiased. All who are impacted by the Commission's decisions, from the parties appearing before the Commission to consumers, deserve impartial decisions free from bias and improper influence.

The Code of Judicial Conduct provides a set of ethical principles and guidelines to promote integrity, impartiality, and diligence. Our legal system is based on the premise that an independent, fair, and competent judiciary will interpret and apply the laws that govern us. This principle of an independent, fair, and competent judiciary is applicable to the members of the Commission, an Executive Branch agency whose hearings and decisions are governed by the Administrative Procedures Act. The Code of Judicial Conduct provides guidance and structure to our professional and personal lives, and when followed, the Code of Judicial Conduct helps us maintain high standards of professional and personal conduct.

NOTE: Do not provide any information that would violate the prohibition against ex parte communication or would otherwise violate any privilege.

Ethics Statement: I, Commissioner Florence P. Belser have read and understand the Code of Judicial Conduct and the ethics laws of South Carolina. I certify that I have adhered to these standards at all times during this review period.

Signature: 

Date: 4/4/15

**COMMISSIONER QUESTIONNAIRE
PERFORMANCE SUMMARY**

NAME: COMER H. "RANDY" RANDALL, III
SEAT: THIRD DISTRICT
DATE ELECTED: JULY 1, 2013
DATE TERM EXPIRES: JUNE 30, 2020

Please provide information for the review period covering July 1, 2018 through June 30, 2019. Be sure to fully address each item.

1. Educational programs.

National Association of Regulatory Utility Commissioners (NARUC) Summer Policy Summit; Phoenix, AZ, July 14-18, 2018

- Attended all general sessions
- Attended all Committee on Water meetings
- Attended joint meetings of Committee on Electricity and Committee on Water
- Attended meetings of the Committee on Gas
- Attended meeting of the Staff Subcommittee on Nuclear Issues-Waste Disposal

All of the NARUC sessions are designed to educate commissioners on utility issues from the national perspective, while helping us see how our states fit in and lead in the national discussion. I benefit greatly, as a commissioner from attending these meetings. My understanding of national and state issues grows each time I attend these sessions.

All of the NARUC sessions are beneficial to our commission and to the State of South Carolina from a couple of perspectives. We all benefit from hearing what is going on in other states, and I have learned that the South Carolina Public Service Commission is looked to for leadership nationwide.

(Time spent out of the office: 3 days)

National Association of Regulatory Utility Commissioners (NARUC) Eastern Utility Rate School; Clearwater, FL, October 23-25, 2018

As Co-Vice Chair of the NARUC Water Committee (the sponsoring committee for rate school), I participate as a member of the faculty. My main duties were moderating a panel focused on current issues in the water business and how they related to ratemaking.

Serving on the NARUC Rate School faculty brings distinction to the South Carolina Public Service Commission. I not only participate in the discussion, but also learn a great deal listening to other commissioners and staff members from around the country.

(Time spent out of the office: 3 days)

**National Association of Regulatory Utility Commissioners (NARUC) Winter Policy Summit;
Washington, DC, February 9-13, 2019**

- Attended all general sessions
- Attended all Committee on Water meetings
- Attended meeting of the Staff Subcommittee on Nuclear Issues-Waste Disposal

(Time spent out of the office: 3 days)

**Southeastern Association of Regulatory Utility Commissioners (SEARUC); Gulf Shores, AL,
June 2-5, 2019**

This meeting included commissioners from the Southeastern states. We spent two days in meetings discussing everything from regulatory issues to EPA and other regulations affecting the states that come from the national level.

1-B. In-House Educational Programs.

- **Allowable Ex Parte Briefing to Discuss Johnson Development Associates and House Bill 3659,** June 26, 2019, at 10:00 AM: Docket ND 2019-15-E.
- **Allowable Ex Parte Briefing to Discuss The South Carolina Energy Freedom Act: An Overview and Next Steps,** June 12, 2019, at 2:00 PM: Docket ND 2019-13-E: South Carolina Solar Business Alliance, Incorporated.
- **Allowable Ex Parte Briefing to Discuss State of the Company,** May 29, 2019, at 10:00 AM: Docket ND 2019-6-WS: Blue Granite Water Company.
- **Allowable Ex Parte Briefing Regarding Colite Technologies' Products and Services,** April 30, 2019, at 10:00 AM: Docket ND 2019-2-A.
- **Inquiry Regarding Tree Trimming and Potential Alternatives,** April 4, 2019, at 2:00 PM: Docket ND 2019-3-E.
- **Joint Application and Petition of South Carolina Electric & Gas Company and Dominion Energy, Incorporated for Review and Approval of a Proposed Business Combination between SCANA Corporation and Dominion Energy, Incorporated, as May Be Required, and for a Prudency Determination Regarding the Abandonment of the V.C. Summer Units 2 & 3 Project and Associated Customer Benefits and Cost Recovery Plans,** March 7, 2019, at 10:00 AM: Docket No. 2017-370-E.
- **Application of Duke Energy Carolinas, LLC for Adjustments in Electric Rate Schedules and Tariffs and Request for an Accounting Order,** February 20, 2019, at 10:00 AM: Docket No. 2018-319-E.

- **Application of Duke Energy Carolinas, LLC for Approval of New Cost Recovery Mechanism and Portfolio of Demand-Side Management and Energy Efficiency Programs-Ex Parte Briefing; Application of Duke Energy Progress, LLC Requesting Approval of Its Proposed Home Energy Improvement Program HEIP-6; Office of Regulatory Staff's Petition for an Order Requiring Utilities to Report the Impact of the Tax Cuts and Jobs Act--Allowable Ex Parte Briefings**, February 19, 2019, at 10:00 AM: Docket Nos. 2013-298-E, 2016-149-E, and 2017-381-A.
- **Request by Commissioner Williams in Order No. 2019-100 for Briefing by the Office of Regulatory Staff Regarding: Commission Order No. 2019-100 and Customer Education Plan in Order No. 2018-804**, February 14, 2019, at 2:00 PM: Docket No. 2017-370-E.
- **Requested Allowable Ex Parte Briefing (Mr. Jerry Harvell) Regarding: Merger**, February 6, 2019, at 2:30 PM: Docket No. 2017-370-E.
- **Requested/Scheduled Allowable Ex Parte Briefing Regarding Dominion, Inc., and Advertised \$1000 Rebate**, January 24, 2019, at 2:00 PM: Docket No. 2017-370-E.
- **TAS Strategies; Drexel Hamilton, LLC; Loop Capital Markets; Ramirez & Company and Williams Capital Markets Group Allowable Ex Parte Briefing Regarding South Carolina Utility Diversity in Financial Services**, December 18, 2018, at 10:00 AM: Docket ND 2018-33-EC.
- **Duke Energy Carolinas, LLC and Duke Energy Progress, LLC Request for an Allowable Ex Parte Briefing Regarding Integrated Resource Planning (IRP) Process, Including an Overview of the Recently Filed IRP and Renewable Energy Purchases under PURPA; and Hurricane Florence Update**, October 25, 2018, at 10:00 AM: Docket ND 2018-27-E.
- **South Carolina Solar Business Alliance, Incorporated Request for an Allowable Ex Parte Briefing Regarding Avoided Cost, Resource Planning and Energy Storage in an Era of Low-Cost Solar**, October 23, 2018, at 2:00 PM: Docket ND 2018-23-E.
- **Mandatory Ethics Training for Commissioners and Staff – Joint Ethics Training with the Office of Regulatory Staff (ORS)**, October 12, 2018, from 9:00AM-4:30PM.
- **Duke Energy Carolinas, LLC and Duke Energy Progress, LLC Request for an Allowable Ex Parte Briefing Regarding Managing Duke Energy Hydroelectric Projects**, July 23, 2018, at 10:00 AM: Docket ND 2018-19-E.

2. Participation in organizations.

- **National Association of Regulatory Utility Commissioners (NARUC)**
I am a member of the National Association of Regulatory Utility Commissioners (NARUC). As referenced above, I attend all the meetings and educational sessions provided. I participate in the discussions, moderate panels and help shape national policy.
- **Committee on Water** –I serve as the Co-Vice Chair of the Committee on Water. I help build the Water Committee program with other Commissioners and staff from all over the country. I moderate a panel on a relevant topic at most meetings.
- **Subcommittee on Nuclear Issues - Waste Disposal** – I attend all of these meetings. I also receive a weekly update on Nuclear Issues from the NARUC office in Washington, DC.
- **Southeastern Association of Regulatory Utility Commissioners (SEARUC)**
SEARUC is one of the divisions of NARUC comprised of mostly southeastern states and Puerto Rico. We meet at every NARUC meeting and then on our own once a year to discuss issues that are relevant to the Southeast.

3. Representation in Official Capacity as Commissioner.

- **South Eastern Water Infrastructure Summit, Charlotte, NC, April 28-29, 2019**
Attended as Co-Vice Chair of the Water Committee. Participated as a panel member on a panel entitled “Communicating with Customers”.
(Time spent out of the office: 2 days)
- **Illumination Energy Summit, Columbus, OH, May 14-16, 2019**
This conference focused on innovations in the energy business, particularly in the technology side of electricity. One of the things that I have focused on as Chair of the Public Service Commission is doing more research so that we are looking ahead instead of always reacting to innovations in the utility world.
(Time spent out of the office: 3 days)

4. Notable Cases.

- **Consolidated Dockets Concerning Abandonment of SCE&G Nuclear Project, Emergency Rate Relief, and Merger of SCE&G with Dominion Energy (Dockets No. 2017-207-E, 2017-305-E, and 2017-370-E):** This case considered the abandonment of the VC Summer Nuclear Units., the merger of Dominion Energy with SCE&G, and the rates for ratepayers going forward. This was the most high-profile case in SC history. Despite the fact that the Baseload Review Act was passed by the General Assembly with virtually no opposition, the PSC became everyone’s target for rate increases and the failure of the plant, even though the PSC has no investigative or oversight authority, while following the law set forth by the General Assembly. Every educational session that I have ever attended had influence in this case. Rate school, Grid school, Ethics training, Judicial training among others all had relevance in this proceeding.
- **Duke Energy Carolinas, LLC (Docket No. 2018-319-E):** This was a significant rate case by Duke Energy Carolinas (DEC). DEC wanted a rate increase including a ROE of 10.5% and an increase in the Base Facilities Charge to \$28.00. The PSC limited ROE to 9.5% and

settled on a BFC of \$11.96. More significantly, the PSC disallowed from rates the cost of the NC Coal Ash Management Act put into place by the North Carolina Legislature. NARUC Rate School and Judicial training were instrumental in making this case much easier to rule on.

- **Chem-Nuclear Systems, LLC (Docket No. 2018-13-A):** At this hearing, the Commission questioned Chem Nuclear, among other things, about news reports that indicated the tritium plume was expanding outside of the nuclear waste containment area. Ultimately it was determined that this was not an issue that affected allowable costs as described by S.C. Code Ann. § 48-46-10 *et sec.* Participation in the NARUC Nuclear Waste Subcommittee was very helpful in deciding the merits of this case.

5. Accomplishments of the Public Service Commission

I think the greatest accomplishment of The Public Service Commission (PSC) in 2018 was preparing for hearings and adjudicating the combined dockets in the SCE&G abandonment of the VC Summer Units and its merger with Dominion Energy in a very compressed time frame. The last merger case that the Commission dealt with took over a year and a half. When you add the VC Summer abandonment to it, the PSC completed this task in a month and a half. We managed over 20 intervenors with more than 60 attorneys in the hearing room and finished the hearing portion of the case between November 1 and Thanksgiving. I think another accomplishment that the PSC has had under my leadership as Chairman is to instigate a process of restructuring the commission to make the entire commission more efficient and more transparent in its processes. We have live streamed every hearing and every commission meeting since the summer of 2018. Also, working with Jocelyn Boyd, our Executive Director and General Clerk we have instituted a research group to look at trends for the future of the businesses that we regulate. The goal is to be proactive in what we know and act on instead of reactive.

6. Work Schedule and Preparation.

The answer to this question really doesn't vary much from year to year. We really don't have a typical work week at the Commission. One of the fulfilling and interesting aspects of this job is the variety of issues that we deal with and the variety of actions and reactions that comprise our workload. Being a Commissioner on the South Carolina Public Service Commission is very stimulating. I really enjoy learning something new almost every day. With that background, I commute to the Commission office from my home in Clinton (two-hour round trip). I am physically in the office usually four days and rarely less than three days a week. During the fall I was there five days a week especially during the VC Summer hearings. As Commission Chairman I begin almost every day on the phone beginning between 7:30 and 8:30am with Jocelyn Boyd discussing the events of the day and what we need to accomplish that day. I speak with the legal staff and technical staff every day about cases and about general issues at the commission. In preparation for a hearing, I spend many hours reading hundreds of pages of testimony. After reading the testimony, I spend time with our staff looking at historical data to help me draw my conclusions. If I am not in the office, I have an office in District 3 set up in my home complete with a personal computer and the Commission iPad. My day does not change significantly.

7. Effects of Code of Judicial Conduct and South Carolina's ethics laws on your role as Commissioner.

Being under the Judicial Code has positive and negative effects. With that in mind, I do think that being under the Judicial Code is appropriate for members of the South Carolina Public Service Commission. It does allow and require us to maintain distance from the parties involved in each docket. It is important that we are always unbiased in our deliberations. It also sets boundaries for everyone to follow that are clear. Making sure that ex-parte communications are controlled is a benefit to all parties. The one negative is that the Judicial Code prevents the Commissioners from being able to speak about anything that we have going on in a case. This was particularly worrisome when we were being attacked by many people who didn't seem to understand the Baseload Review Act or the tenants of the Judicial Code. We had to read about what we did by the loudest and most uniformed individuals who had the ear of the press. This was very discouraging at times. The ethics laws in our state do assist in aiding the unbiased appearance of the Commission's decisions. The Commissioners and staff are all very professional and very serious about their duty and obligations regarding the Judicial Code and the ethics laws. I am confident that the South Carolina Public Service Commission's business is conducted in a manner that should make everyone proud.

NOTE: Do not provide any information that would violate the prohibition against ex parte communication or would otherwise violate any privilege.

Ethics Statement: I, Commissioner Comer H. "Randy" Randall, III have read and understand the Code of Judicial Conduct and the ethics laws of South Carolina. I certify that I have adhered to these standards at all times during this review period.

Signature: Comer H Randall

Date: 9-4-2019

**COMMISSIONER QUESTIONNAIRE
PERFORMANCE SUMMARY**

NAME TOM J. ERVIN
SEAT FOURTH DISTRICT
DATE ELECTED MAY 2018
DATE TERM EXPIRES JUNE 30, 2022

Please provide information for the review period covering July 1, 2018 through June 30, 2019. Be sure to fully address each item.

1. Educational Programs.

A. New Commissioner Regulatory Orientation (NCRO) – October 2-4, 2018 – Washington, DC

- Attended all general sessions

NARUC sessions are designed to educate state regulators on various issues from the national perspective, while helping us see how our states fit in and lead in the national discussion. We all benefit greatly, by listening to seasoned commissioners from other jurisdictions who served as faculty members.

All the NARUC sessions are beneficial to our Commission and to the state of South Carolina. We all benefit from hearing what is going on in other states.

(Three days spent at NARUC's Washington D.C. Headquarters)

In-House Educational Programs

- June 26, 2019, at 10:00 AM: Non-Docket 2019-15-E: Allowable Ex Parte Briefing to Discuss Johnson Development Associates and House Bill 3659
- June 12, 2019, at 2:00 PM: Non-Docket 2019-13-E: South Carolina Solar Business Alliance, Incorporated - Allowable Ex Parte Briefing to Discuss The South Carolina Energy Freedom Act: An Overview and Next Steps
- May 29, 2019, at 10:00 AM: Non-Docket 2019-6-WS: Blue Granite Water Company - Allowable Ex Parte Briefing to Discuss State of the Company
- April 30, 2019, at 10:00 AM: Non-Docket 2019-2-A: Allowable Ex Parte Briefing Regarding Colite Technologies' Products and Services
- April 4, 2019, at 2:00 PM: Non-Docket 2019-3-E: Inquiry Regarding Tree Trimming and Potential Alternatives

- March 7, 2019, at 10:00 AM: Docket No. 2017-370-E: Joint Application and Petition of South Carolina Electric & Gas Company and Dominion Energy, Incorporated for Review and Approval of a Proposed Business Combination between SCANA Corporation and Dominion Energy, Incorporated, as May Be Required, and for a Prudency Determination Regarding the Abandonment of the V.C. Summer Units 2 & 3 Project and Associated Customer Benefits and Cost Recovery Plans
- February 19, 2019, at 10:00 AM: Docket Nos. 2013-298-E, 2016-149-E, and 2017-381- Application of Duke Energy Carolinas, LLC for Approval of New Cost Recovery Mechanism and Portfolio of Demand-Side Management and Energy Efficiency Programs-Ex Parte Briefing; Application of Duke Energy Progress, LLC Requesting Approval of Its Proposed Home Energy Improvement Program HEIP-6; Office of Regulatory Staff's Petition for an Order Requiring Utilities to Report the Impact of the Tax Cuts and Jobs Act--Allowable Ex Parte Briefings
- February 14, 2019, at 2:00 PM: Docket No. 2017-370-E: Request by Commissioner Williams in Order No. 2019-100 for Briefing by the Office of Regulatory Staff Regarding: Commission Order No. 2019-100 and Customer Education Plan in Order No. 2018-804
- February 6, 2019, at 2:30 PM: Docket No. 2017-370-E: Requested Allowable Ex Parte Briefing (Mr. Jerry Harvell) Regarding: Merger
- January 24, 2019, at 2:00 PM: Docket No. 2017-370-E: Requested/Scheduled Allowable Ex Parte Briefing Regarding Dominion, Inc., and Advertised \$1000 Rebate
- December 18, 2018, at 10:00 AM: Non-Docket 2018-33-EC: TAS Strategies; Drexel Hamilton, LLC; Loop Capital Markets; Ramirez & Company and Williams Capital Markets Group Allowable Ex Parte Briefing Regarding South Carolina Utility Diversity in Financial Services
- October 25, 2018, at 10:00 AM: Non-Docket 2018-27-E: Duke Energy Carolinas, LLC and Duke Energy Progress, LLC Request for an Allowable Ex Parte Briefing Regarding Integrated Resource Planning (IRP) Process, Including an Overview of the Recently Filed IRP and Renewable Energy Purchases under PURPA; and Hurricane Florence Update
- October 23, 2018, at 2:00 PM: Non-Docket 2018-23-E: South Carolina Solar Business Alliance, Incorporated Request for an Allowable Ex Parte Briefing Regarding Avoided Cost, Resource Planning and Energy Storage in an Era of Low-Cost Solar
- October 12, 2018, from 9:00AM-4:30PM: Mandatory Ethics Training for Commissioners and Staff – Joint Ethics Training with the Office of Regulatory Staff (ORS)
- July 23, 2018, at 10:00 AM: Non-Docket 2018-19-E: Duke Energy Carolinas, LLC and Duke Energy Progress, LLC Request for an Allowable Ex Parte Briefing Regarding Managing Duke Energy Hydroelectric Projects

2. **Participation in organizations.**

Public Service Commission

I began my service on the Public Service Commission on July 1, 2018.

National Association of Regulatory Utility Commissioners (NARUC)

I am a member of the National Association of Regulatory Utility Commissioners (NARUC).

Southeastern Association of Regulatory Utility Commissioners (SEARUC)

SEARUC includes Commissioners from the southeastern states.

3. **Representation in Official Capacity as Commissioner.**

No others not already mentioned.

4. **Notable Cases.**

- **Duke Energy Progress, LLC (Docket No. 2018-318-E):** In this rate application, the Commission held two public night hearings in the Company's service territory. The merits hearing was held over a few days on April 11 – 17, 2019. The Company was seeking a Return on Equity of 10.25%, and a revenue / rate increase totaling \$69 million. Initially, the Company sought a Base Facilities Charge increase from \$9.06 to \$29.00 for residential customers, though the Company later agreed to limit the increase to \$11.78 for residential customers. There were ten intervening parties, and most parties presented testimony. After hearing all the evidence presented, and entertaining stipulations between parties, the Commission issued Order No. 2019-341 ultimately awarding the Company approximately \$41.5 million of the requested \$69 million, resulting in an increase in residential rates from \$122.49 per month for a 1,000 kWh residential customer to \$128.76 per month net of simultaneous fuel clause adjustment).
- **Duke Energy Carolinas, LLC (Docket No. 2018-319-E):** In this rate application, the Commission held three public night hearings in the Company's service territory and a five-day merits hearing. This was the first fully contested electric rate hearing in many years. The prior rate case brought by the utility was heard in 2013 after the entry of a settlement agreement. In addition to the utility and the Office of Regulatory Staff, eight intervenors made appearances and presented testimony in this case. In its initial application, the utility sought a net revenue increase of approximately \$168 million and a return on equity of 10.50 percent. Most controversially, the Company initially requested an increase in the Residential Basic Facilities Charge from \$8.29 to \$28.00 per month. The Company later agreed to accept a Residential BFC of \$11.96 per month. Following its review of all the evidence, the Commission approved a net revenue increase of approximately \$106,931,000 and a return on equity of 9.50% in Order No. 2019-323. The most

significant disallowance adopted by the Commission excluded \$469,894,472 incurred by the Company in complying with the North Carolina Coal Ash Management Act. The Commission's order on the utility's motion for rehearing and reconsideration is pending, and the utility is expected to appeal the Commission's decision to the Supreme Court of South Carolina.

- **Consolidated Dockets Concerning Abandonment of SCE&G Nuclear Project, Emergency Rate Relief, and Merger of SCE&G with Dominion Energy (Dockets No. 2017-207-E, 2017-305-E, and 2017-370-E):** In 2008, SCE&G began construction of two Westinghouse AP1000 nuclear units at the V.C. Summer site in Jenkinsville, South Carolina. Over the course of the following nine years, SCE&G invested approximately \$5 billion dollars in the Project, an amount roughly equal to its non-nuclear electric rate base.

SCE&G abandoned the Project on July 31, 2017, approximately four months after its contractor, Westinghouse Electric Company, LLC ("Westinghouse" or "WEC"), filed for bankruptcy. Then SCE&G's co-owner of the Project, the South Carolina Public Service Authority ("Santee Cooper"), ceased funding the Project. At the time of the abandonment, recovery of capital costs on its investment in the Project constituted approximately 18% or \$445 million of SCE&G's annual retail electric revenue.

The Sierra Club and Friends of the Earth filed a petition in Docket No. 2017-207-E (Friends of the Earth and the Sierra Club v. South Carolina Electric & Gas Co.) prior to abandonment of the Project asking the Commission to end funding for the Project and to grant reparations under S.C. Code Ann. § 58-27-960. The South Carolina Office of Regulatory Staff ("ORS") filed a petition in Docket No. 2017-305-E (Request of the Office of Regulatory Staff for Rate Relief to South Carolina Electric & Gas Company's Rates Pursuant to S.C. Code Ann. § 58-27-920) seeking emergency rate relief under S.C. Code Ann. § 58-27-920.

Numerous parties intervened in PSC Dockets Nos. 2017-207-E and 2017-305-E, and after receiving and reviewing myriad filings by the various parties, the Commission, then chaired by the Honorable Swain E. Whitfield, heard two days of arguments to determine whether these dockets would proceed. On December 20, 2017, in Order Nos. 2017-769 and 2017-770, the Commission found that the Office of Regulatory Staff and Friends of the Earth and the Sierra Club had met the threshold required for their respective dockets to continue, and therefore denied SCE&G's motions to dismiss.

Subsequently, Dominion Energy proposed to purchase SCANA. The proposed business combination would include merger benefits of approximately \$3.8 billion to be provided to SCE&G's customers in resolution of the regulatory issues surrounding the Project. This amount of merger benefits appeared to be unprecedented in utility mergers. The merger's benefits initially offered included immediate one-time payments to customers of \$1.3 billion upon closing of the merger, write-offs of nuclear Project and other generation assets and regulatory assets of \$1.9 billion, and

reductions to on-going bills of \$575 million, all of which were included in a regulatory proposal known as the “Customer Benefits Plan.” To offset the financial impacts of these concessions on SCE&G, Dominion Energy offered to use capital from its balance sheet to infuse equity into SCE&G and to support the refund benefits offered under the Customer Benefits Plan. Dominion Energy also agreed to merger conditions including protections for SCE&G employees and customers, infrastructure investment and service level commitments, and continued local leadership of SCE&G’s operations. SCANA announced its agreement to the plan of merger on January 3, 2018.

On January 7, 2018, the Joint Applicants initiated Docket No. 2017-370-E, seeking approval of the merger and adoption of the regulatory plan proposed by Dominion Energy (the “Customer Benefits Plan”). The Joint Application also presented two disfavored alternative plans that SCE&G proposed absent the merger. Those plans are the “No Merger Benefits Plan” and the “Base Request.” The primary relief sought in the Joint Application was approval of the merger and adoption of the Customer Benefits Plan.

On June 28, 2018, the General Assembly adopted legislation (“Act 258”) requiring, a temporary reduction in SCE&G retail electric rates of approximately 15%, amending the BLRA. The Commission implemented the mandated rate reduction by Order No. 2018-459, dated July 2, 2018.

The Commission held a three-week-long hearing, from November 1 through November 21, 2018, in this complex consolidated matter. The Commission received testimony from 44 witnesses. The evidentiary record compiled in the course of the proceeding was voluminous, resulting in a tremendous workload for the small Commission Staff.

The Commission was required to determine which plan would (1) provide maximum customer benefits; (2) bring finality and certainty; and (3) be in the public interest of South Carolina ratepayers. Within the bounds of the applicable law and the testimony and evidence presented, the Commission was required to consider several proposed plans. Ultimately, the Commission adopted the Customer Benefits Plan–B Levelized which was a modified version of the original Customer Benefits Plan providing additional rate relief while allowing the Dominion Energy merger to close. The Commission concluded in Order No. 2018-804(A) that the plan proposed by the Joint Petitioners would provide immediate and sustained bill reductions to customers coupled with strong assurances that SCE&G would continue to operate as a financially sound, reliable, and responsible utility going forward. SCE&G’s electric bills were brought into alignment with neighboring utilities and are now below national averages. This result was achieved without material risk to SCE&G’s solvency, creditworthiness, or ability to conduct its future utility operations safely, reliably, and efficiently. None of the other options before the Commission provided this combination of benefits. The Commission believed it achieved enormous value for all SCE&G ratepayers, stakeholders, and the State of South Carolina as a whole.

5. Accomplishments of the Public Service Commission.

Since this report covers the period July 1, 2018 through June 30, 2019, our handling of the complex issues raised in the VC Summer abandonment and the resulting merger of SCE&G with Dominion was a significant accomplishment. I believe the Public Service Commission achieved a good outcome for the ratepayers and the parties given the complex debacle it inherited post abandonment.

6. Work Schedule and Preparation.

- A. The Commission doesn't have a typical work week as circumstances change given the complexity and scheduling demands of the workload. One of the fulfilling and interesting aspects of this position is the variety of issues that we deal with and the variety of actions and reactions that comprise our workload. Being a Commissioner on the South Carolina Public Service Commission is an extremely rewarding position. I enjoy learning something new every day. With that background, I commute to the Commission office from my home in Greenville (a four-hour round trip). I am physically in the Columbia office three to five days a week and rarely less than three days a week. I am in contact with the legal and advisory staffs daily. Each Tuesday, I have a weekly briefing on the current docket. Our commission business meetings are normally scheduled on Wednesday afternoons. The Commission normally holds hearings on Tuesdays, Wednesdays, and Thursdays. The Commission also holds night hearings that allow the rate payers an opportunity to be heard. I spend a lot of time most days reading testimony and keeping up with issues by emails, on our website and reading various publications relevant to our work.
- B. Preparation for a hearing includes extensive reading the pre filed testimony in each docket. Our technical and legal staff at the Commission provide us with guidance along with the available relevant information so that we have the tools for making good decisions and rulings that will be beneficial to the rate payers and to the State of South Carolina. We are constantly looking for ways to better utilize our resources. The rate cases are all different. In some of our cases with the large utilities, we will have as many as 500 pages of pre filed testimony and exhibits to read. Other smaller hearings have less reading required. I always try to understand the issues presented and I prepare questions for the witnesses who appear at each hearing to clarify the issues.

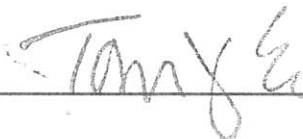
7. Effects of Code of Judicial Conduct and South Carolina's ethics laws on your role as Commissioner.

I try to carry out my duties as a Commissioner in a very professional way. I take my duties and responsibilities prescribed in the Code of Judicial Conduct and the ethics laws very seriously. It is of utmost importance that we are always fair, impartial and unbiased in our deliberations while avoiding any prohibited ex-parte communications so that we earn the respect and trust of the parties and the public. We are working hard to maintain the trust and respect of the parties that appear before us as well as people in our state and their elected representatives.

NOTE: Do not provide any information that would violate the prohibition against ex parte communication or would otherwise violate any privilege.

Ethics Statement: I, Commissioner Tom J. Ervin have read and understand the Code of Judicial Conduct and the ethics laws of South Carolina. I certify that I have adhered to these standards at all times during this review period.

Signature: _____

A handwritten signature in dark ink, appearing to read "Tom J. Ervin", is written over a horizontal line.

Date: September 4, 2019

COMMISSIONER QUESTIONNAIRE
PERFORMANCE SUMMARY

NAME: SWAIN E. WHITFIELD
SEAT: DISTRICT 5
DATE ELECTED: 2008
DATE TERM EXPIRES: 2020

Please provide information for the review period covering July 1, 2018 through June 30, 2019. Be sure to fully address each item.

1. Educational programs.

- On Friday, October 12, 2018, Mandatory Ethics Training all day for Commissioners and Staff was held. This was held from 9am-4:45pm in the Commission's hearing room and was held jointly with ORS in order to best share resources and provide cost savings to both Agencies. The presenters included: Desa Ballard, Esquire; former Commissioner and USC Law school Professor Bob Bockman; Attorney Andrew Bateman of ORS; Meghan Walker, Executive Director, State Ethics Commission; Dr. Greg Dwyer; and Judge Thomas Cooper. The topics included: The State Ethics Act, Code of Judicial Conduct, South Carolina Administrative Procedures Act, Ethics specific to SC PSC Commissioners, Substance Abuse and Mental Health, healthy ethical coping, and ethics and behavior in the Workplace. We covered some new areas in this training, in addition to some of our "traditional" ethics training. This fulfilled my mandatory Annual Ethics training requirements. *I Note that due to a personal conflict, that I completed my ethics training via video in person in the PSC Law Library with PSC Attorney Randall Dong, and PSC advisory staff members Doug Pratt and Dr. Jim Spearman on the very next Thursday, October 18, 2018. This was arranged by PSC Chief Clerk / Administrator Jocelyn Boyd and Afton Ellison.

All Allowable Ex Parte Briefings are informative in nature, but some are also educational in addition. Therefore, I have provided a list of all Allowable Ex Parte briefings during the last year and these are as follows:

- June 26, 2019, at 10:00 AM: Non-Docket 2019-15-E: Allowable Ex Parte Briefing to Discuss Johnson Development Associates and House Bill 3659
- June 12, 2019, at 2:00 PM: Non-Docket 2019-13-E: South Carolina Solar Business Alliance, Incorporated - Allowable Ex Parte Briefing to Discuss The South Carolina Energy Freedom Act: An Overview and Next Steps
- May 29, 2019, at 10:00 AM: Non-Docket 2019-6-WS: Blue Granite Water Company - Allowable Ex Parte Briefing to Discuss State of the Company
- April 30, 2019, at 10:00 AM: Non-Docket 2019-2-A: Allowable Ex Parte Briefing Regarding Colite Technologies' Products and Services
- April 4, 2019, at 2:00 PM: Non-Docket 2019-3-E: Inquiry Regarding Tree Trimming and Potential Alternatives
- March 7, 2019, at 10:00 AM: Docket No. 2017-370-E: Joint Application and Petition of South Carolina Electric & Gas Company and Dominion Energy, Incorporated for Review and Approval of a Proposed Business Combination between SCANA Corporation and Dominion Energy, Incorporated, as May Be Required, and for a Prudency Determination Regarding the Abandonment of the V.C. Summer Units 2 & 3 Project and Associated Customer Benefits and Cost Recovery Plans

- February 19, 2019, at 10:00 AM: Docket Nos. 2013-298-E, 2016-149-E, and 2017-381- Application of Duke Energy Carolinas, LLC for Approval of New Cost Recovery Mechanism and Portfolio of Demand-Side Management and Energy Efficiency Programs-Ex Parte Briefing; Application of Duke Energy Progress, LLC Requesting Approval of Its Proposed Home Energy Improvement Program HEIP-6; Office of Regulatory Staff's Petition for an Order Requiring Utilities to Report the Impact of the Tax Cuts and Jobs Act--Allowable Ex Parte Briefings
- February 14, 2019, at 2:00 PM: Docket No. 2017-370-E: Request by Commissioner Williams in Order No. 2019-100 for Briefing by the Office of Regulatory Staff Regarding: Commission Order No. 2019-100 and Customer Education Plan in Order No. 2018-804
- February 6, 2019, at 2:30 PM: Docket No. 2017-370-E: Requested Allowable Ex Parte Briefing (Mr. Jerry Harvell) Regarding: Merger
- January 24, 2019, at 2:00 PM: Docket No. 2017-370-E: Requested/Scheduled Allowable Ex Parte Briefing Regarding Dominion, Inc., and Advertised \$1000 Rebate
- December 18, 2018, at 10:00 AM: Non-Docket 2018-33-EC: TAS Strategies; Drexel Hamilton, LLC; Loop Capital Markets; Ramirez & Company and Williams Capital Markets Group Allowable Ex Parte Briefing Regarding South Carolina Utility Diversity in Financial Services
- October 25, 2018, at 10:00 AM: Non-Docket 2018-27-E: Duke Energy Carolinas, LLC and Duke Energy Progress, LLC Request for an Allowable Ex Parte Briefing Regarding Integrated Resource Planning (IRP) Process, Including an Overview of the Recently Filed IRP and Renewable Energy Purchases under PURPA; and Hurricane Florence Update
- October 23, 2018, at 2:00 PM: Non-Docket 2018-23-E: South Carolina Solar Business Alliance, Incorporated Request for an Allowable Ex Parte Briefing Regarding Avoided Cost, Resource Planning and Energy Storage in an Era of Low-Cost Solar
- October 12, 2018, from 9:00AM-4:30PM: Mandatory Ethics Training for Commissioners and Staff – Joint Ethics Training with the Office of Regulatory Staff (ORS)
- July 23, 2018, at 10:00 AM: Non-Docket 2018-19-E: Duke Energy Carolinas, LLC and Duke Energy Progress, LLC Request for an Allowable Ex Parte Briefing Regarding Managing Duke Energy Hydroelectric Projects

2. Participation in organizations

On October 21-23, 2018, I attended the Gas Technology Institute (GTI) Advisory Board meeting in Chicago, IL. GTI is a research and development institution that takes new and experimental natural gas technologies, including renewable gas technologies, and turns them into real practical applications and energy solutions. This meeting also included a tour of GTI's cutting edge Research & Development Lab in Des Plaines, IL. I am honored to serve on the GTI Advisory Board with fellow Commissioners from other States. At this meeting, after serving as Chairman of the Board for 2 years, an election was held, and I was honored to be able to present the gavel to Florida Commissioner Julie Brown, who had served as Vice Chairman during my two years as Chairman.

On April 21-23, 2019, I attended the Gas Technology Institute (GTI) Advisory Board meeting in Washington, DC. I now serve on the board as immediate past Chairman. This meeting included our business meeting and many educational updates in the natural gas industry as well as presentations from many other GTI executives.

On June 2-5, 2019, I attended the Southeastern Association of Regulatory Utility Commissioners (SEARUC) meeting in Gulf Shores, AL. At this meeting I attended sessions on: Alternative transportation in the Southeast—the “All of the Above” strategy—Electric Vehicles (EVs) in the Southeast; Addressing aging Critical Infrastructure; How rising U.S. LNG Exports Impact Domestic Gas Flows; Nuclear Straight Talk; Federal Pipeline Safety Reauthorization Bill; and Challenges and Opportunities of Broadband in rural Southeast. I attended this meeting as the immediate Past President of SEARUC and member of the SEARUC Executive Committee. As President of SEARUC, I held a very successful meeting in Charleston, SC in 2018 and left SEARUC in sound financial condition for SEARUC 2019.

Summary of all organizations and positions that I am a member of:

- Co Vice-Chairman – NARUC Committee on Critical Infrastructure
- Member – NARUC Washington Action Committee
- Member – NARUC Nuclear Issues and Waste Disposal Subcommittee
- Member – NARUC Committee on Gas
- Immediate Past Chairman – Gas Technology Institute Advisory Board
- Immediate President – Southeastern Association of Regulatory Utility Commissioners (SEARUC)
- Member – NARUC – US DOE Gas Infrastructure Modernization Partnership

3. Representation in Official Capacity as Commissioner

I represented the Commission in 2 of the 3 NARUC meetings during the review period, and below are the dates of those meetings: NARUC Summer—July 13-17, 2018; (I missed the November 2018 NARUC meeting due to the Dominion / SCE&G merger / Nuclear abandonment / Emergency Rate Relief case); and NARUC Winter—February 9-13, 2019. In these NARUC meetings, I represented the Commission, and I am a voting member of the Gas Committee, and the Critical Infrastructure Committee (I am Vice Chairman of the Critical Infrastructure Committee), and I am also a member of the Subcommittee on Nuclear Waste and Nuclear Issues, and the Washington Action Committee. I also represented the Commission at the annual SEARUC meeting June 2-5, 2019, in Gulf Shores, AL, where I served on the executive committee as immediate Past President of SEARUC. However, I have it listed under item #2 in participation in organizations above. I believe that these two NARUC meetings and the one SEARUC meeting should also be listed under Educational Programs in item #1, but I chose to list them in item #2 and item #3.

I also represented the Commission on September 17-19, 2018 at the U S Department of Energy / NARUC Natural Gas Infrastructure Site Visit and technical workshop in Andover, MA. The technical workshop was held at the Massachusetts Utilities Commission, and the site visit included Natural Gas leak detection technologies, followed by a demonstration of an unmanned aerial vehicle with Remote Methane Gas Leak detector technology to detect Methane leaks over a wide area. Unfortunately, this technical workshop and site visit were following a Natural Gas explosion involving injuries and a fatality in the area. This event could have also been listed under Educational Programs in item #1.

I represented the Commission on May 8-10, 2019 along with Commissioner Justin Williams at the U S Department of Energy / NARUC site visit to the National Carbon Capture Center (NCCC) near Birmingham, AL. We saw firsthand, Carbon Capture and sequestration technology

and research by the U S Department of Energy. We also toured a major Coal and Natural Gas-fired power plant that hosts the NCCC. We also attended a technical session on other clean coal technologies. As Coal generation continues to decrease in South Carolina and the US, innovative methods such as these will be deployed to continue to dramatically lessen the environmental impacts of coal. This event could have also been listed under Educational Programs in item #1.

4. Notable Cases

- **Duke Energy Progress, LLC (Docket No. 2018-318-E):** In this rate application, the merits hearing was held over several days from April 11-17, 2019. The Commission held two public night hearings in the Company's service territory. The Company sought a Return on Equity of 10.25%, and a revenue / rate increase totaling \$69 million. Originally, the Company sought a Base Facilities Charge (BFC) increase from \$9.06 to \$29.00 for residential customers, though the Company later agreed to limit the increase to \$11.78 for residential customers. There were ten intervening parties, and most parties presented testimony. After hearing all the evidence presented, and entertaining stipulations between parties, the Commission issued Order No. 2019-341 that limited the Company to approximately \$41.5 million of the requested \$69 million, which resulted in an approximate \$6.27 increase in residential rates from \$122.49 per month for a 1,000 kWh residential customer to \$128.76 per month (net of simultaneous fuel clause adjustment). This case was notable as the Commission not only heard from large numbers of residential ratepayers, but the Commission also heard from many farmers in the Pee Dee Region who were impacted with multiple meters.
- **Duke Energy Carolinas, LLC (Docket No. 2018-319-E):** In this rate application, the Commission held three public night hearings in the Company's service territory and a five-day merits hearing. This was the first fully contested electric rate case for DEC in several years. In addition to the utility and the Office of Regulatory Staff, eight intervenors made appearances and presented testimony in this case. In its original application, the utility sought a net revenue increase of approximately \$168 million and a return on equity of 10.50 percent. The Company also initially requested a dramatic increase in the Residential Basic Facilities Charge (BFC) from \$8.29 to \$28.00 per month. The Company later agreed to accept a Residential BFC of \$11.96 per month. In reviewing of all of the evidence and testimony, the Commission approved a net revenue increase of approximately \$106,931,000 and a return on equity of 9.50% in Order No. 2019-323. The largest disallowance adopted by the Commission involved excluding \$469,894,472 incurred by the Company in complying with the North Carolina Coal Ash Management Act. The Commission's order on the utility's motion for rehearing and reconsideration is pending, and the utility is expected to appeal the Commission's decision to the Supreme Court of South Carolina.
- **Consolidated Dockets Concerning Abandonment of SCE&G Nuclear Project, Emergency Rate Relief, and Merger of SCE&G with Dominion Energy (Dockets No. 2017-207-E, 2017-305-E, and 2017-370-E):** In 2008, SCE&G began construction of two Westinghouse AP1000 nuclear units at the V.C. Summer site in Jenkinsville, South Carolina. Over the course of the following nine years, SCE&G invested approximately \$5 billion dollars in the Project, an amount roughly equal to its non-nuclear electric rate base.

SCE&G abandoned the Project on July 31, 2017. This happened approximately four months after its contractor, Westinghouse Electric Company, LLC ("Westinghouse" or "WEC"), filed bankruptcy and immediately after SCE&G's co-owner, the South Carolina Public Service Authority ("Santee Cooper"), ceased funding the Project. At the time of the abandonment,

recovery of capital costs on its investment in the Project constituted approximately 18% or \$445 million of SCE&G's annual retail electric revenue.

The Sierra Club and Friends of the Earth filed a petition in Docket No. 2017-207-E (Friends of the Earth and the Sierra Club v. South Carolina Electric & Gas Co.) prior to abandonment of the Project asking the Commission to end funding for the Project and to grant reparations under S.C. Code Ann. § 58-27-960. The South Carolina Office of Regulatory Staff ("ORS") filed a petition in Docket No. 2017-305-E (Request of the Office of Regulatory Staff for Rate Relief to South Carolina Electric & Gas Company's Rates Pursuant to S.C. Code Ann. § 58-27-920) seeking emergency rate relief under S.C. Code Ann. § 58-27-920.

Numerous parties intervened in PSC Dockets Nos. 2017-207-E and 2017-305-E, and after receiving and reviewing myriad filings by the various parties, the Commission, under my Chairmanship, heard two days of arguments to determine whether these dockets would proceed. On December 20, 2017, in Order Nos. 2017-769 and 2017-770, the Commission found that the Office of Regulatory Staff and Friends of the Earth and the Sierra Club had met the threshold required for their respective dockets to continue, and therefore denied SCE&G's motions to dismiss.

In early January 2018, Dominion Energy proposed to purchase SCANA. The proposed business combination would include merger benefits of approximately \$3.8 billion to be provided to SCE&G's customers in resolution of the regulatory issues surrounding the Project. This amount of merger benefits appeared to be unprecedented in utility mergers. The merger's benefits initially offered included immediate one-time payments to customers of \$1.3 billion upon closing of the merger, write-offs of nuclear Project and other generation assets and regulatory assets of \$1.9 billion, and reductions to on-going bills of \$575 million, all of which were included in a regulatory proposal known as the "Customer Benefits Plan." To offset the financial impacts of these concessions on SCE&G, Dominion Energy offered to use capital from its balance sheet to infuse equity into SCE&G and to support the refund benefits offered under the Customer Benefits Plan. Dominion Energy also agreed to merger conditions including protections for SCE&G employees and customers, infrastructure investment and service level commitments, and continued local leadership of SCE&G's operations. SCANA announced its agreement to the plan of merger on January 3, 2018.

On January 7, 2018, the Joint Applicants initiated Docket No. 2017-370-E, seeking approval of the merger and adoption of the regulatory plan proposed by Dominion Energy (the "Customer Benefits Plan"). The Joint Application also presented two disfavored alternative plans that SCE&G proposed absent the merger. Those plans are the "No Merger Benefits Plan" and the "Base Request." The primary relief sought in the Joint Application was approval of the merger and adoption of the Customer Benefits Plan.

On June 28, 2018, the General Assembly adopted legislation ("Act 258") requiring, among other things, a temporary reduction in SCE&G retail electric rates of approximately 15%, amending the BLRA. The Commission implemented the mandated rate reduction by Order No. 2018-459, dated July 2, 2018.

The Commission held nearly a month-long hearing, commencing November 1, 2018 and lasting until Thanksgiving in this complex consolidated matter. The Commission received testimony from 44 witnesses. The evidentiary record compiled in the course of the proceeding was voluminous. The analysis required of the Commission and Staff was intensive and challenging.

In deciding this matter, the Commission was required to determine which plan would (1) provide maximum customer benefits; (2) bring finality and certainty; and (3) be in the public interest of South Carolina ratepayers. Within the bounds of the law and the evidence of record in this case, the Commission was required to choose between adopting the Customer Benefits Plan–B Levelized (a modification of the original Customer Benefits Plan that provided additional rate relief) and allowing the Dominion Energy merger to close, or, adopting ORS’s Optimal Benefits Plan and almost certainly letting the Dominion Energy merger fail. The Commission chose the former. The Commission concluded in Order No. 2018-804(A), after exhaustive analysis, that the plan proposed by the Joint Petitioners would provide immediate and sustained bill reductions to customers coupled with strong assurances that SCE&G would continue to operate as a financially sound, reliable, and responsible utility going forward. SCE&G’s electric bills would be brought into alignment with neighboring utilities and be well below national averages. This result would be achieved without material risk to SCE&G’s solvency, creditworthiness, or ability to conduct its future utility operations safely, reliably, and efficiently. No other option before the Commission provided this combination of benefits. The Commission believed it had enormous value for all SCE&G ratepayers, stakeholders, and the State as a whole. This could be the largest and most impactful case ever in the history of the Commission.

5. Accomplishments of the Public Service Commission

During the review period, the Commission continued to operate under intense public scrutiny and pressure. I believe that pressure and scrutiny led the Commission to clearly demonstrate that it could administer the laws of South Carolina and caused the Commission to produce many accomplishments. I will discuss some of these accomplishments below.

From the very beginning of the review period, the Commission showed that it was capable of responding quickly and in real time and operated seamlessly. This was clearly demonstrated when Act 258 was adopted by the General Assembly on June 28, 2018. This was during the last hours of my Chairmanship, and as Chairman I immediately ordered a Special meeting regarding Act 258. This was on a Friday, and Chief Clerk Jocelyn Boyd publicly noticed the meeting minutes before 5pm, and minutes later around 5:05pm, SCE&G brought suit against all the Commissioners in their official capacity in U S District Court. The meeting that I ordered could not take place until the next business day which happened to be Monday, July 2, 2018, and my Chairmanship officially ended June 30, 2018. I worked with Vice Chairman Randall (who was Chairman elect at this time) and Chief Clerk / Administrator Jocelyn Boyd and along with other Commission staff members to ensure that this was a seamless transition late Friday and into the weekend. The end result was that Commissioner Randall presided as the new Chairman on Monday, July 2, 2018 and the Commission followed the new law of the General Assembly and handled a very delicate matter expeditiously, and in real time, by issuing Order No. 2018-459 which ordered a temporary reduction in SCE&G retail electric rates of 15%.

Other MAJOR accomplishments of the Commission include the final disposition of one of the largest cases to ever come before the Commission in the history of the Commission, (Dockets No. 2017-207-E, 2017-305-E, and 2017-E). I won’t go through the case in depth as I have already done so above in the notable cases section. However, I do consider this a MAJOR accomplishment of the Commission, as the Commission was successful in holding lengthy hearing, in which all parties were heard, had 44 witnesses testify, and evidentiary record was voluminous. The end result was Commission Order No. 2018-804(A) which provided: maximum ratepayer benefits and was in the public interest of ratepayers of South Carolina; and brought finality and certainty to SCE&G ratepayers, stakeholders in the case, and to the future of one of South Carolina’s largest investor-owned utilities.

In addition to the Commission demonstrating how quick and nimble it can adapt and administer the law, Other accomplishments include the Commission becoming much more transparent. Through the leadership of Chairman Randall and the diligence of Chief Clerk Jocelyn Boyd, and additional funding, the Commission is now able to live-stream hearings and meetings. All meetings and hearings have always been open and public, but live-streaming enables most South Carolinians and interested parties to watch live and in real time. This is a great accomplishment because the public is now able to see in real time what the Commissioners have always seen; the examination and cross-examination of witnesses and questions by Commissioners. Live-streaming also gives the public (many for the first time) unique insight into utility cases, and Commissioner deliberations, and how utility cases are decided. I believe it has been a tremendous success and is a huge aid in public confidence and trust.

While there are many other accomplishments of the Commission during the review period, I want to mention one more. I support the Commission promulgating a new regulation. Chief Clerk Jocelyn Boyd has worked hard to bring forth Regulation 103-817.1. This Regulation allows for electronic transmission and filing (e-filing) of documents. E-filed Documents now constitute the official record. While the Commission has accepted electronic filing for a while, this regulation sets forth rules and policies governing e-filing and notice of service. This accomplishment corresponds with other Judicial bodies in South Carolina.

6. Work Schedule and Preparation

My work schedule for the most part remains unchanged from previous years, as I continue to be in the office in Columbia practically every day during the work week. However, as immediate Past Chairman of the SC Commission, my responsibility has decreased during the review period. I no longer have the responsibilities of personnel, budget, procedural matters, scheduling or any other duties statutorily assigned to the Chairman. I value being a "Regular Commissioner" again after the heavy pressure of the previous 2 years. While the pace is still fast, and the caseload seems to be heavier, I do believe we have made progress. I look back on my words from two years ago in this evaluation and I pledged to the Ratepayers of South Carolina, PURC Committee, the Legislature, the Governor, the staff at the PSC, and my fellow Commissioners to take the Commission to a "better place" by taking things 1 day at a time. I believe we are in a "better place", and Chairman Randall and Chief Clerk Jocelyn Boyd are working hard to make us even better at serving all South Carolinians.

My preparation during the review period remains unchanged from previous years. I still receive printed copies of the testimony here at the Commission and review (while the Commission is completely electronic and state of the art—I still read printed copies in most cases, especially large cases, as I prefer not to look at a computer screen for those long periods of time). I am briefed by the Commission's technical and legal staff in the law library. During the hearings, I listen to the Testimony, evidence, cross-examination by the attorneys, questions by my fellow Commissioners, and then I ask questions of the witnesses. Afterwards, I read proposed orders from all parties in the case and seek advice and counsel from Commission technical staff and Commission attorneys.

7. Effects of Code of Judicial Conduct and South Carolina's ethics laws on your role as Commissioner

As I have stated previously, public trust and public confidence must remain high in this Commission for us to function as a judicial body. I believe that each Commissioner and I have strictly adhered to the Code of Judicial Conduct and to SC Ethics laws. I also said in a previous questionnaire that one of our instructors in Ethics Training said years ago "some people might find the Code of Judicial Conduct burdensome to the average citizen". I also believe that my fellow commissioners and I have "gladly and willingly" abided by the restrictions of the Code of Judicial Conduct and ethics rules. As a NARUC member State, we are aware that some states have "loose" ethics laws. South Carolina is known throughout all 50 States in NARUC as having the toughest ethics laws of any State Commission. Our SC Ethics laws are so strong that SC Ethics Director Meghan Walker has been a featured speaker at both SEARUC and NARUC in the last year or so. While it is certainly important at all times to have strict ethics laws, the last 2 years have shown that South Carolina's strict ethics laws and Judicial Code of Conduct have worked. While public trust was very low and heavily questioned, I do believe that as the limitations, roles and responsibilities of the Commission continue to be understood by the public, along with recently passed new Legislation that public trust is coming back. Also, I am eager to hear any suggestions that our instructors may have in our mandatory ethics training that is scheduled in just over a month or so. As Commissioner, I personally will continue to strive every day to abide by Code of Judicial Conduct and SC Ethics Laws. The Code of Judicial Conduct also requires that Commissioners "avoid the appearance of impropriety" and I will continue every day to adhere to that requirement as well.

NOTE: Do not provide any information that would violate the prohibition against ex parte communication or would otherwise violate any privilege.

Ethics Statement: I, Commissioner Swain E. Whitfield have read and understand the Code of Judicial Conduct and the ethics laws of South Carolina. I certify that I have adhered to these standards at all times during this review period.

Signature: Swain E. Whitfield

Date: 9/5/19

**COMMISSIONER QUESTIONNAIRE
PERFORMANCE SUMMARY**

NAME: JUSTIN THOMAS WILLIAMS
SEAT: SIXTH DISTRICT
DATE ELECTED: MAY 10, 2018
DATE TERM EXPIRES: JUNE 30, 2022

Please provide information for the review period covering July 1, 2018 through June 30, 2019. Be sure to fully address each item.

1. Educational programs.

Provide the following information regarding educational programs attended:

- A. The name of the program and the sponsoring organization;
 - B. A description of the topics and any certificate or recognition received;
 - C. How the program helped you as a commissioner and benefited the Commission; and
 - D. The amount of time spent out of the office due to attending educational programs.
-

Educational Program 1:

- A. The name of the program and the sponsoring organization:

Answer: Michigan State University's Institute of Public Utilities' Annual Regulatory Studies Program – East Lansing, MI.

- B. A description of the topics and any certificate or recognition received:

Answer: The Annual Regulatory Studies Program is grounded in sound regulatory theory and established practices. The curriculum is comprehensive and intensive and includes general sessions, topical workshops, and sector-specific tracks. The program focuses on the foundations and fundamentals of utility regulation. The program emphasizes the disciplines and skills essential for participating in an increasingly demanding and complex regulatory process. Core economic, legal, accounting, finance, and policy theories and concepts are introduced. The Fundamentals Course is especially suited to attendees relatively new to utility regulation. Program learning objectives include: understand the core theory, principles, and practices of public utility regulation, understand the economic and legal basis for utility regulation, understand the role of accounting and finance in the regulatory process, understand the basic concepts of public utility ratemaking, and compare and contrast the utility sectors- electricity, gas, water, and telecom. Program topics include: introduction to regulation, how public utilities compare, economics and market structures, utility revenue requirements, jurisdiction, precedents, processes, accounting, auditing, reporting, finance principles and applications, universal service in telecom, price theory, cost allocation, and rate design, alternatives to traditional regulation, and regulatory independence and ethics. I received a certificate of attendance.

- C. How the program helped you as a commissioner and benefited the Commission:

Answer: Attending the Annual Regulatory Studies Program at Michigan State University enlightened me to the complexities of public utility regulation in South Carolina and across the country. I learned that serving as a commissioner is not a

calling balls and strikes similar to trial court judges. A commissioner must have substantial knowledge and understanding of each regulated industry in order to appreciate all the possible consequences that could occur as the result of a commission decision. Such knowledge and understanding are not limited to the company perspective, but also includes considering the consumer, renewables, and the environment just to name a few. The Commission benefited from my attendance by having a commissioner who is more knowledgeable about public utility regulations and thereby better equipped to make the best decision in matters that appear before the Commission.

D. The amount of time spent out of the office due to attending educational programs:

Answer: I was out of the office Monday, August 6 through Friday, August 10, 2018.

Educational Program 2:

A. The name of the program and the sponsoring organization:

Answer: National Association of Regulatory Utility Commissioners (NARUC) Winter Policy Summit – Washington, DC

B. A description of the topics and any certificate or recognition received:

Answer: Thirst for Power: Energy, Water and Human Survival Michael Webber, author of Thirst for Power: Energy, Water and Human Survival, will sit down with NARUC President John Betkoski III, Hon. Mary- Anna Holden, Chair of the Committee on Water and Hon. Judy Jagdmann, Chair of the Committee on Electricity, for an insightful discussion of the water-energy nexus. Dr. Webber is the deputy director of the Energy Institute, co-director of the Clean Energy Incubator at the Austin Technology Incubator, and associate professor of mechanical engineering and Josey Centennial Fellow in Energy Resources at the University of Texas.

Electric System Resiliency – What Is Our Mission?

Regulatory efforts to improve electric system resiliency can prove costly and controversial, so it's important to understand their underlying goals. Whether the goal is to prevent major outages, recover quickly when they occur, or help communities survive them, resiliency efforts must be identified correctly and prioritized accordingly. Furthermore, as services and the grid become more connected while outages remain unpredictable, the bulk power system's resilience will be tested. How does technology and regulation play a role in strengthening the resilience of the bulk power system? Our speakers will explore the many different and nuanced definitions of "resiliency", explain the benefits and costs of new technology investments, and update us on actions at the Federal level including the recently initiated proceeding in response to the DOE NOPR.

Out of Site! Accessing the Nuclear Decommissioning Trust Fund to Accelerate Decommissioning

Current regulations allow as long as sixty years to fully decommission a nuclear plant. With a number of recent nuclear plant retirements and more expected within the next few years, the decommissioning of nuclear plants and restoring their sites for other uses is an issue that must be addressed. Because full decommissioning requires the

removal of onsite nuclear waste, additional retirements raise nuclear storage issues, which remain divisive. Although the Nuclear Regulatory Commission has primary responsibility over decommissioning, State regulators may also play an important role. Mark Lewis, Vice President of Regulatory Affairs at Energy Solutions, will discuss how the Decommissioning Trust Fund may hinder or prevent expedited decommissioning of plant sites and what actions can be taken to access the Decommissioning Trust Fund and accelerate the decommissioning of plant sites. He will also discuss the Nuclear Regulatory Commission's proposed rulemaking regarding the Decommissioning Trust Fund.

The Rarity of Rare Earth Elements

Rare Earth Elements (REEs) are an essential component of countless items both for the military and civilians. With an ever-increasing demand for REEs, the National Energy Technology Laboratory (NETL) aids in the development of domestic sources from coal and coal by-products to capture these 17 prized elements. In the ever-interconnected global economy, few realize the relationship among supply, demand, and what could be a national security issue. Through the development of a successful domestic REE program, NETL not only addresses this concern but also ensures continued economic growth on a technologically critical family of elements.

Perspectives on Integrating Variable Resources

Over the last decade the electric utility industry has seen an unprecedented amount of innovation. This session will explore some of the front runners in the development and deployment of innovative technologies and how these technologies could help shape the modernized grid. Discussions will include how utility-scale solar can be leveraged as an ancillary service to the grid as well as how smart inverters can be used to foster the integration of distributed energy resources onto the grid and support the development of microgrids. The session will conclude with a discussion of the DOE's Voices of Experience campaign that provides a platform for smart grid implementers at all stages of project development to share their experiences and learn from one another.

Will Big Ideas and Innovation Benefit the Small Consumer?

As technology increases the electric infrastructure, programs, and tariffs that are possible, identifying who would benefit from, and pay for, their implementation is often a threshold question for utilities and regulators alike. But how many of the big ideas on the horizon can benefit customers with limited financial means? What should regulators consider when deciding whether implementation or cost allocation should be broad or targeted? Which ideas should be voluntary? Panelists will answer these important questions, including any lessons learned from investments during the past decade in, among other things, "smart" meters, prepaid electric programs, net metering tariffs, and electric vehicle infrastructure.

Resiliency Made Real – What Worked, and What Didn't, When Severe Weather Events Hit the US in 2017

Over the past year, Texas, Florida, and Puerto Rico faced widespread outages following hurricane winds and heavy rains, California experienced devastating loss from wildfires, and much of the nation faced extreme colds. As we move forward in the new year what lessons have we learned? What does a resilient grid look like in relation to weather events? Does this image change for a resilient island? How have the industry's mutual assistance agreements worked to ensure resiliency?

PURPA in 2018 – At the Tipping Point or Still on Point?

With the introduction of the PURPA Modernization Act of 2017 (H.R. 4476, Walberg - MI) and the recent appointment of four new FERC Commissioners, will 2018 bring changes to PURPA or its federal regulations? Have FERC's "one-mile rule" or its 20-megawatt presumption for market access run their course? Have Congress and FERC struck the appropriate balance between State and federal responsibilities under PURPA? Panelists will discuss experiences under PURPA while exploring these and other issues.

I did not receive a certificate or recognition for attending the NARUC Winter Policy Summit.

- C. How the program helped you as a commissioner and benefited the Commission:

Answer: Attending the NAURUC Winter Policy Summit exposed me to the most recent public utility regulation issues, concerns, and innovations occurring across the nation. I benefited by gaining knowledge and information through other commissions and commissioners experience. The Commission benefited by gaining a commissioner who is more knowledgeable about public utility regulation and equipped to make informed decisions on pending matters.

- D. The amount of time spent out of the office due to attending educational programs:

Answer: Monday, February 12 through Tuesday February 13, 2019.

Educational Program 3:

- A. The name of the program and the sponsoring organization:

Answer: National Association of Regulatory Utility Commissioners with the US Department of Energy - Subcommittee on Clean Coal and Carbon Management site visit to the National Carbon Capture Center – Birmingham, AL

- B. A description of the topics and any certificate or recognition received:

Answer: I attended the following presentations:

- Global Status of Carbon Capture and Storage;
- Alabama NARUC Clean Coal Subcommittee Meeting;
- National Energy Technology Laboratory Solutions for Today and Options for Tomorrow; and
- The Future is Carbon Free Fossil Energy.

I toured the following facilities:

- The National Carbon Capture Center (NCCC), a U.S. Department of Energy/Southern Company research and test facility pioneering breakthrough carbon capture technologies;
- Alabama Power's Plant Gaston, a 2.1-GW coal- and natural gas-fired power plant that hosts the NCCC;
- University of Alabama-Birmingham's Caprock Integrity Lab researching large-scale underground carbon dioxide storage; and
- An innovative "smart community" at Reynolds Landing exhibiting state-of-the-art energy efficient homes and connected devices.

I did not receive a certificate, or recognition.

C. How the program helped you as a commissioner and benefited the Commission:

Answer: Attending this program helped me by giving me the opportunity to tour a coal power plant. This first-hand experience allowed me to see the inner workings and complexities of operating a coal power plant. This experience benefited the Commission because as a commissioner I can make more informed decisions on matters coming before the Commission.

D. The amount of time spent out of the office due to attending educational programs:

Answer: Thursday, May 9 through Friday May 10, 2019.

Educational Program 4:

A. The name of the program and the sponsoring organization:

Answer: Southeastern Association of Regulatory Utility Commissioners (SEARUC) Annual Meeting – Gulf Port, AL

B. A description of the topics and any certificate or recognition received:

Answer: I attended the following presentations:

- Alternative Transportation in the Southeast;
- Do Electric Vehicles go Faster than a Golf Cart;
- Rural Broadband Panel;
- How Rising U.S. LNG Exports Impact Domestic Gas Flow;
- Strategizing Energy Policy and a Regulatory Framework in Puerto Rico;
- Work Force Development Panel;
- Natural Gas Panel; and
- Cable and Broadband Panel.

C. How the program helped you as a commissioner and benefited the Commission:

Answer: I benefited by receiving public utility regulation education through the study and discussions of subjects concerning the operation and regulation of public utilities to southeastern states. The Commission benefited by gaining a commissioner with increased knowledge and education on public utility matters that relevant particular to South Carolina.

D. The amount of time spent out of the office due to attending educational programs:

Answer: Monday June 3 through Wednesday June 5, 2019

In House Education

- June 26, 2019, at 10:00 AM: Non-Docket 2019-15-E: Allowable Ex Parte Briefing to Discuss Johnson Development Associates and House Bill 3659
- June 12, 2019, at 2:00 PM: Non-Docket 2019-13-E: South Carolina Solar Business Alliance, Incorporated - Allowable Ex Parte Briefing to Discuss The South Carolina Energy Freedom Act: An Overview and Next Steps
- May 29, 2019, at 10:00 AM: Non-Docket 2019-6-WS: Blue Granite Water Company - Allowable Ex Parte Briefing to Discuss State of the Company
- April 30, 2019, at 10:00 AM: Non-Docket 2019-2-A: Allowable Ex Parte Briefing Regarding Colite Technologies' Products and Services
- April 4, 2019, at 2:00 PM: Non-Docket 2019-3-E: Inquiry Regarding Tree Trimming and Potential Alternatives
- March 7, 2019, at 10:00 AM: Docket No. 2017-370-E: Joint Application and Petition of South Carolina Electric & Gas Company and Dominion Energy, Incorporated for Review and Approval of a Proposed Business Combination between SCANA Corporation and Dominion Energy, Incorporated, as May Be Required, and for a Prudency Determination Regarding the Abandonment of the V.C. Summer Units 2 & 3 Project and Associated Customer Benefits and Cost Recovery Plans
- February 20, 2019, at 10:00 AM: Docket No. 2018-319-E: Application of Duke Energy Carolinas, LLC for Adjustments in Electric Rate Schedules and Tariffs and Request for an Accounting Order
- February 19, 2019, at 10:00 AM: Docket Nos. 2013-298-E, 2016-149-E, and 2017-381-A: Application of Duke Energy Carolinas, LLC for Approval of New Cost Recovery Mechanism and Portfolio of Demand-Side Management and Energy Efficiency Programs- Ex Parte Briefing; Application of Duke Energy Progress, LLC Requesting Approval of Its Proposed Home Energy Improvement Program HEIP-6; Office of Regulatory Staff's Petition for an Order Requiring Utilities to Report the Impact of the Tax Cuts and Jobs Act
- February 14, 2019, at 2:00 PM: Docket No. 2017-370-E: Request by Commissioner Williams in Order No. 2019-100 for Briefing by the Office of Regulatory Staff Regarding: Commission Order No. 2019-100 and Customer Education Plan in Order No. 2018-804
- February 6, 2019, at 2:30 PM: Docket No. 2017-370-E: Requested Allowable Ex Parte Briefing (Mr. Jerry Harvell) Regarding: Merger

- January 24, 2019, at 2:00 PM: Docket No. 2017-370-E: Requested/Scheduled Allowable Ex Parte Briefing Regarding Dominion, Inc., and Advertised \$1000 Rebate
- December 18, 2018, at 10:00 AM: Non-Docket 2018-33-EC: TAS Strategies; Drexel Hamilton, LLC; Loop Capital Markets; Ramirez & Company and Williams Capital Markets Group Allowable Ex Parte Briefing Regarding South Carolina Utility Diversity in Financial Services
- October 25, 2018, at 10:00 AM: Non-Docket 2018-27-E: Duke Energy Carolinas, LLC and Duke Energy Progress, LLC Request for an Allowable Ex Parte Briefing Regarding Integrated Resource Planning (IRP) Process, Including an Overview of the Recently Filed IRP and Renewable Energy Purchases under PURPA; and Hurricane Florence Update
- October 23, 2018, at 2:00 PM: Non-Docket 2018-23-E: South Carolina Solar Business Alliance, Incorporated Request for an Allowable Ex Parte Briefing Regarding Avoided Cost, Resource Planning and Energy Storage in an Era of Low-Cost Solar
- October 12, 2018, from 9:00AM-4:30PM: Mandatory Ethics Training for Commissioners and Staff – Joint Ethics Training with the Office of Regulatory Staff (ORS)

Each Allowable Ex Parte Briefing listed above empowered me with knowledge and information to make the best decisions possible on matters that come before the commission. The Mandatory Ethics Training provided a useful refresher on South Carolina Ethics Law.

2. Participation in organizations.

- A. I am a member of the National Association of Regulatory Utility Commissioners (NARUC). I also serve on NARUC's Committee on Electricity.
- B. NARUC is a non-profit organization dedicated to representing the state public service commissions who regulate the utilities that provide essential services such as energy, telecommunications, power, water, and transportation. NARUC's mission is to serve in the public interest by improving the quality and effectiveness of public utility regulation. Under state law, NARUC's members have an obligation to ensure the establishment and maintenance of utility services as may be required by law and to ensure that such services are provided at rates and conditions that are fair, reasonable, and nondiscriminatory for all consumers.
- C. My participation in NARUC through attending the educational events listed above has greatly enhanced my knowledge of public utility regulation. The Commission benefited by gaining a commissioner who is more knowledgeable about public utility regulation and equipped to make informed decisions on pending matters.

I spent 12 days out of the office during the reporting period attending educational events associated with the National Association of Regulatory Utility Commissioners.

3. Representation in Official Capacity as Commissioner.

For any event attended in your official capacity as commissioner that has not been included in item 1 or 2, provide the following information:

Answer: I have not attended an event in my official capacity as a commissioner other than the events described in sections 1 and 2 above.

4. Notable Cases.

In your own words, describe three cases in which you participated that you believe were the most significant during the review period. Provide a brief summary of the case, including the case name, the docket number, and the issues and outcome (two-three sentences). Your response should focus on: (a) why this case was significant; and (b) how the educational programs you attended, your participation in organizations and/or experience as a commissioner benefited your decisions in each case.

- **Consolidated Dockets Concerning Abandonment of SCE&G Nuclear Project, Emergency Rate Relief, and Merger of SCE&G with Dominion Energy (Dockets No. 2017-207-E, 2017-305-E, and 2017-370-E):** This was a very complicated case regarding SCE&G's abandonment of the two AP1000 nuclear units at V.C. Summer, Emergency Rate Relief, and SCE&G's merger with Dominion Energy. After hearing a month of testimony, the Commission issued Order No. 2018-804(A). This case was significant to me because it gave the Commission an opportunity to provide a known outcome for all parties involved. Every educational program I attended during this rating period provided me with information that helped me digest the information I received from the parties.
- **Duke Energy Progress, LLC (Docket No. 2018-318-E):** This was a rate case where Duke requested the following: (1) Return on Equity of 10.25%, and a revenue / rate increase totaling \$69 million and (2) Basic Facilities Charge increase from \$9.06 to \$29.00 per month for residential customers. After hearing all the evidence and stipulations between parties, the Commission issued Order No. 2019-341. This case was significant to me because it gave the Commission the opportunity to address the very controversial issues of Base Facilities Charges and Return on Equity. Every educational program I attended during this rating period provided me with information that helped me digest the information I received from the parties.
- **Duke Energy Carolinas, LLC (Docket No. 2018-319-E):** This was a rate case where Duke requested the following: (1) Return on Equity of 10.50%, and a revenue/rate increase totaling approximately \$168 million and (2) Basic Facilities Charge increase from \$8.29 to \$28.00 per month for residential customers. The Company later agreed to accept a Residential BFC of \$11.96 per month. After hearing all the evidence and stipulations between parties, the Commission issued Order No. 2019-323. This case was significant to me because it gave the

Commission the opportunity to address the very controversial issues of Base Facilities Charges, Return on Equity and coal ash management. Every educational program I attended during this rating period provided me with information that helped me digest the information I received from the parties.

5. Accomplishments of the Public Service Commission

Describe what you believe are the greatest accomplishments of the commission during the review period.

Answer: In my opinion, the Public Service Commission's commitment to transparent decision making and restoring the public's trust is its greatest accomplishment.

6. Work Schedule and Preparation.

A. Describe your schedule during an average work week. For example, how often are you in your office in Columbia? How many hours do you telecommute?

Answer: My average work week consists of coming to the office Monday through Friday to prepare for hearings, the weekly business meeting, and other Commission matters as they arise. On Mondays, I spend the majority of the day reading items on the agenda for the Commission's weekly meeting. On Tuesdays I talk with staff and fellow commissioners (no more than two commissioners at a time) about the items on the agenda and any issues that I have. This is in addition to the weekly agenda briefing that is also scheduled for Tuesdays. The weekly briefings can be long and intense at times because I, along with other commissioners, ask the staff a lot of questions about their recommendations. On Wednesdays I review the meeting agenda again to make sure that I don't have any lingering concerns. I spend most of the day on Thursdays and Fridays reading and preparing for the next week.

The aforementioned schedule does not include the many hearings that the Commission has held since my election. The hearings range from noncomplex requests for certificates to move household goods, to very complex rate cases. Sometimes the Commission conducts the weekly business meeting and a hearing in the same day. I prepare for each hearing by reading the materials submitted by the parties before attending the staff briefing. Similar to the weekly meeting briefings, the hearing briefings can be long and intense due to the questions and issues that arise. The most time-consuming part of this job is the reading necessary to be prepared for the staff briefings and hearings. I have spent hours on the Docket Management System after business hours and on the weekends reading material submitted by parties to the hearings in order to be prepared.

The only times I recall telecommuting is when I was out of the state completing annual military training (August 7 – 25, 2019). I received permission from my commander to appear by phone for several weekly meetings and several expert witness interviews. I also had several individual telephone briefings with commission staff in preparation for the weekly meetings.

B. Describe how you prepare for a hearing.

Answer: I prepare for hearings by reviewing all of the material submitted by the parties, discussing the material with commission staff, reviewing the material submitted by the parties again, and discussing the material with Commission staff.

7. Effects of Code of Judicial Conduct and South Carolina's ethics laws on your role as Commissioner.

In your own words, discuss how the Code of Judicial Conduct and the Ethics Laws interact and affect you and your role as a commissioner.

The Code of Judicial Conduct and the Ethics Laws serve as a constant reminder that my conduct is under intense scrutiny. I am mindful of the company that I keep and my conversations at all times so that I remain compliant with both the Code of Judicial Conduct and the Ethics Laws.

NOTE: Do not provide any information that would violate the prohibition against ex parte communication or would otherwise violate any privilege.

Ethics Statement: I, Commissioner Justin T. Williams have read and understand the Code of Judicial Conduct and the ethics laws of South Carolina. I certify that I have adhered to these standards at all times during this review period.

Signature: _____

Date: September 6, 2019

**COMMISSIONER QUESTIONNAIRE
PERFORMANCE SUMMARY**

NAME G. O'NEAL HAMILTON
SEAT 7
DATE ELECTED 2004
DATE TERM EXPIRES 2020

Please provide information for the review period covering July 1, 2018 through June 30, 2019. Be sure to fully address each item.

1. **Educational programs.**

In House Education:

- June 26, 2019, at 10:00 AM: Non-Docket 2019-15-E: Allowable Ex Parte Briefing to Discuss Johnson Development Associates and House Bill 3659
- June 12, 2019, at 2:00 PM: Non-Docket 2019-13-E: South Carolina Solar Business Alliance, Incorporated - Allowable Ex Parte Briefing to Discuss The South Carolina Energy Freedom Act: An Overview and Next Steps
- May 29, 2019, at 10:00 AM: Non-Docket 2019-6-WS: Blue Granite Water Company - Allowable Ex Parte Briefing to Discuss State of the Company
- April 30, 2019, at 10:00 AM: Non-Docket 2019-2-A: Allowable Ex Parte Briefing Regarding Colite Technologies' Products and Services
- April 4, 2019, at 2:00 PM: Non-Docket 2019-3-E: Inquiry Regarding Tree Trimming and Potential Alternatives
- March 7, 2019, at 10:00 AM: Docket No. 2017-370-E: Joint Application and Petition of South Carolina Electric & Gas Company and Dominion Energy, Incorporated for Review and Approval of a Proposed Business Combination between SCANA Corporation and Dominion Energy, Incorporated, as May Be Required, and for a Prudency Determination Regarding the Abandonment of the V.C. Summer Units 2 & 3 Project and Associated Customer Benefits and Cost Recovery Plans
- January 24, 2019, at 2:00 PM: Docket No. 2017-370-E: Requested/Scheduled Allowable Ex Parte Briefing Regarding Dominion, Inc., and Advertised \$1000 Rebate
- December 18, 2018, at 10:00 AM: Non-Docket 2018-33-EC: TAS Strategies; Drexel Hamilton, LLC; Loop Capital Markets; Ramirez & Company and Williams Capital Markets Group Allowable Ex Parte Briefing Regarding South Carolina Utility Diversity in Financial Services
- October 25, 2018, at 10:00 AM: Non-Docket 2018-27-E: Duke Energy Carolinas, LLC and Duke Energy Progress, LLC Request for an Allowable Ex Parte Briefing Regarding Integrated Resource Planning (IRP) Process, Including an Overview of the Recently Filed IRP and Renewable Energy Purchases under PURPA; and Hurricane Florence Update

- October 23, 2018, at 2:00 PM: Non-Docket 2018-23-E: South Carolina Solar Business Alliance, Incorporated Request for an Allowable Ex Parte Briefing Regarding Avoided Cost, Resource Planning and Energy Storage in an Era of Low-Cost Solar
- October 12, 2018, from 9:00AM-4:30PM: Mandatory Ethics Training for Commissioners and Staff – Joint Ethics Training with the Office of Regulatory Staff (ORS)
- July 23, 2018, at 10:00 AM: Non-Docket 2018-19-E: Duke Energy Carolinas, LLC and Duke Energy Progress, LLC Request for an Allowable Ex Parte Briefing Regarding Managing Duke Energy Hydroelectric Projects

I believe the in-house training and the NARUC sponsored training through conferences, special schools, publications and conference calls, plus on the job experience has prepared me to be professionally prepared to perform my duties at a high level.

2. **Participation in organizations.**

- **National Association of Regulatory Utility Commissioners (NARUC)**
- **Southeastern Association of Regulatory Utility Commissioners (SEARUC)**
(Please also see responses to Question No. 3)

3. **Representation in Official Capacity as Commissioner.**

- Appointed by NARUC President to the NARUC Board of Directors – Served on the Board of Directors for 12 out of the 15 years that I have served as a Commissioner.
- Member of Nuclear Waste Sub-Committee
- Member of Clean Coal Sub-Committee
- Former Chairman of the Gas Committee and currently still a Member of Gas Committee

4. **Notable Cases.**

- **Consolidated Dockets Concerning Abandonment of SCE&G Nuclear Project, Emergency Rate Relief, and Merger of SCE&G with Dominion Energy (Dockets No. 2017-207-E, 2017-305-E, and 2017-370-E):** In 2008, SCE&G began construction of two Westinghouse AP1000 nuclear units at the V.C. Summer site in Jenkinsville, South Carolina. Over the course of the following nine years, SCE&G invested approximately \$5 billion dollars in the Project, an amount roughly equal to its non-nuclear electric rate base.

SCE&G abandoned the Project on July 31, 2017. This happened approximately four months after its contractor, Westinghouse Electric Company, LLC (“Westinghouse” or “WEC”), filed bankruptcy and immediately after SCE&G’s co-owner, the South Carolina Public Service Authority (“Santee Cooper”), ceased funding the Project. At the time of the abandonment,

recovery of capital costs on its investment in the Project constituted approximately 18% or \$445 million of SCE&G's annual retail electric revenue.

The Sierra Club and Friends of the Earth filed a petition in Docket No. 2017-207-E (Friends of the Earth and the Sierra Club v. South Carolina Electric & Gas Co.) prior to abandonment of the Project asking the Commission to end funding for the Project and to grant reparations under S.C. Code Ann. § 58-27-960. The South Carolina Office of Regulatory Staff ("ORS") filed a petition in Docket No. 2017-305-E (Request of the Office of Regulatory Staff for Rate Relief to South Carolina Electric & Gas Company's Rates Pursuant to S.C. Code Ann. § 58-27-920) seeking emergency rate relief under S.C. Code Ann. § 58-27-920.

Numerous parties intervened in PSC Dockets Nos. 2017-207-E and 2017-305-E, and after receiving and reviewing myriad filings by the various parties, the Commission, then chaired by the Honorable Swain E. Whitfield, heard two days of arguments to determine whether these dockets would proceed. On December 20, 2017, in Order Nos. 2017-769 and 2017-770, the Commission found that the Office of Regulatory Staff and Friends of the Earth and the Sierra Club had met the threshold required for their respective dockets to continue, and therefore denied SCE&G's motions to dismiss.

Subsequently, Dominion Energy proposed to purchase SCANA. The proposed business combination would include merger benefits of approximately \$3.8 billion to be provided to SCE&G's customers in resolution of the regulatory issues surrounding the Project. This amount of merger benefits appeared to be unprecedented in utility mergers. The merger's benefits initially offered included immediate one-time payments to customers of \$1.3 billion upon closing of the merger, write-offs of nuclear Project and other generation assets and regulatory assets of \$1.9 billion, and reductions to on-going bills of \$575 million, all of which were included in a regulatory proposal known as the "Customer Benefits Plan." To offset the financial impacts of these concessions on SCE&G, Dominion Energy offered to use capital from its balance sheet to infuse equity into SCE&G and to support the refund benefits offered under the Customer Benefits Plan. Dominion Energy also agreed to merger conditions including protections for SCE&G employees and customers, infrastructure investment and service level commitments, and continued local leadership of SCE&G's operations. SCANA announced its agreement to the plan of merger on January 3, 2018.

On January 7, 2018, the Joint Applicants initiated Docket No. 2017-370-E, seeking approval of the merger and adoption of the regulatory plan proposed by Dominion Energy (the "Customer Benefits Plan"). The Joint Application also presented two disfavored alternative plans that SCE&G proposed absent the merger. Those plans are the "No Merger Benefits Plan" and the "Base Request." The primary relief sought in the Joint Application was approval of the merger and adoption of the Customer Benefits Plan.

On June 28, 2018, the General Assembly adopted legislation ("Act 258") requiring, among other things, a temporary reduction in SCE&G retail electric rates of approximately 15%, amending the BLRA. The Commission implemented the mandated rate reduction by Order No. 2018-459, dated July 2, 2018.

The Commission held a three-week-long hearing, from November 1 through November 21, 2018, in this complex consolidated matter. The Commission received testimony from 44 witnesses. The evidentiary record compiled in the course of the proceeding was voluminous. The analysis required of the Commission and Staff was intensive and challenging.

In deciding this matter, the Commission was required to determine which plan would (1) provide maximum customer benefits; (2) bring finality and certainty; and (3) be in the public interest of South Carolina ratepayers. Within the bounds of the law and the evidence of record in this case, the Commission was required to choose between adopting the Customer Benefits Plan–B Levelized (a modification of the original Customer Benefits Plan that provided additional rate relief) and allowing the Dominion Energy merger to close, or, adopting ORS's Optimal Benefits Plan and almost certainly letting the Dominion Energy merger fail. The Commission chose the former. The Commission concluded in Order No. 2018-804(A), after exhaustive analysis, that the plan proposed by the Joint Petitioners would provide immediate and sustained bill reductions to customers coupled with strong assurances that SCE&G would continue to operate as a financially sound, reliable, and responsible utility going forward. SCE&G's electric bills would be brought into alignment with neighboring utilities and be well below national averages. This result would be achieved without material risk to SCE&G's solvency, creditworthiness, or ability to conduct its future utility operations safely, reliably, and efficiently. No other option before the Commission provided this combination of benefits. The Commission believed it had enormous value for all SCE&G ratepayers, stakeholders, and the State as a whole.

This was a very difficult hearing. We entered this hearing with hopes that SCE&G could survive. Then, we learned that the top executives that we had trusted throughout the process had not been truthful. It soon became evident that the merger was the only answer. SCE&G had no leadership and sufficient capital could not be raised to provide reliable service.

- **Duke Energy Progress, LLC (Docket No. 2018-318-E):** In this rate application, the Commission held two public night hearings in the Company's service territory. The merits hearing was held over a few days on April 11 – 17, 2019. The Company was seeking a Return on Equity of 10.25%, and a revenue / rate increase totaling \$69 million. Initially, the Company sought a Base Facilities Charge increase from \$9.06 to \$29.00 for residential customers, though the Company later agreed to limit the increase to \$11.78 for residential customers. There were ten intervening parties, and most parties presented testimony. After hearing all the evidence presented, and entertaining stipulations between parties, the Commission issued Order No. 2019-341 ultimately awarding the Company approximately \$41.5 million of the requested \$69 million, resulting in an increase in residential rates from \$122.49 per month for a 1,000 kWh residential customer to \$128.76 per month net of simultaneous fuel clause adjustment).

In the public night hearings, Pee Dee area farmers were concerned about the Base Facility charges on numerous meters they have on irrigation pumps that were only used seasonal. Duke agreed to name an individual to work directly with each farmer.

- **Duke Energy Carolinas, LLC (Docket No. 2018-319-E):** In this rate application, the Commission held three public night hearings in the Company's service territory and a five-day merits hearing. This was the first fully contested electric rate hearing in many years. The prior rate case brought by the utility was heard in 2013 after the entry of a settlement agreement. In addition to the utility and the Office of Regulatory Staff, eight intervenors made appearances and presented testimony in this case. In its initial application, the utility sought a net revenue increase of approximately \$168 million and a return on equity of 10.50 percent. Most controversially, the Company initially requested an increase in the Residential Basic Facilities Charge from \$8.29 to \$28.00 per month. The Company later agreed to accept a Residential BFC of \$11.96 per month. Following its review of all the evidence, the Commission approved a net revenue increase of approximately \$106,931,000 and a return on equity of 9.50% in Order No. 2019-323. The most significant disallowance adopted by the

Commission excluded \$469,894,472 incurred by the Company in complying with the North Carolina Coal Ash Management Act. The Commission's order on the utility's motion for rehearing and reconsideration is pending, and the utility is expected to appeal the Commission's decision to the Supreme Court of South Carolina.

The three public night hearings were totally negative. Rate payers were most vocal that I have experienced. The hearing lasted up to four hours. They wanted to be heard. They opposed the increase in the Base Facility charge and the new AMI meters.

5. Accomplishments of the Public Service Commission.

This has been a year no one would ever believe could happen. The Commission was attacked on all sides - we were unable to defend ourselves due to the same laws used to attack us - was also the same law that would not allow us to speak out. I am very proud of my fellow Commissioners for holding heads high and cautious to carry out our statutory duties as outlined in the law. We have not wavered in our responsibility to perform our duties at a high level.

6. Work Schedule and Preparation.

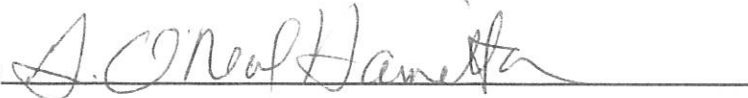
I am in the office on Monday mornings. I spend my time reviewing matters before this Commission. I spend time with advisory and legal staffs to better prepare me for my final decision. I am in the office daily until our work is completed for the week. When out of the office, I am always available by telecommunications. This has been my pattern since becoming a Commissioner.

7. Effects of Code of Judicial Conduct and South Carolina's ethics laws on your role as Commissioner.

Understanding the Code of Judicial Conduct and the ethics laws demonstrate the way in which you must live your professional life. You learn to say, "I cannot discuss that matter - hope you understand." I have no problem with either Code of Conduct or ethics laws. I am thankful for our annual training. I believe that continues to reinforce the need.

NOTE: Do not provide any information that would violate the prohibition against ex parte communication or would otherwise violate any privilege.

Ethics Statement: I, Commissioner G. O'Neal Hamilton have read and understand the Code of Judicial Conduct and the ethics laws of South Carolina. I certify that I have adhered to these standards at all times during this review period.

Signature: 

Date: 9-4-19

EXHIBIT C

STATE REGULATION OF PUBLIC UTILITIES REVIEW COMMITTEE PERFORMANCE EVALUATION

AGENCY: South Carolina Office of Regulatory Staff

PERIOD: July 1, 2018 - June 30, 2019

MISSION: The Office of Regulatory Staff represents the public interest of South Carolina before the Public Service Commission; “public interest” is defined as the concerns of the using and consuming public with respect to public utility services, regardless of the class of customer, and preservation of continued investment in and maintenance of utility facilities so as to provide reliable and high-quality utility services.

GOAL:
THE ORS PROVIDES SERVICES TO BENEFIT THE STATE OF SOUTH CAROLINA

OBJECTIVES/ACTION ITEMS

- 1. The ORS resolves complaints, conducts audits and enforcement actions, provides technical regulatory assistance, and participates in Public Service Commission proceedings.**

The ORS reported that it was involved in an unprecedented caseload at the Public Service Commission (hereinafter referred to as “the Commission”). The ORS participated in 104 cases before the Commission during the review period. These cases involved the following subject matters: electric, transportation, telecommunications, water/wastewater, gas, administrative, and appeals; however, over 70% of these cases were electric and transportation cases. These cases included the SCANA/Dominion merger, related matters involving the V.C. Summer abandonment, and the Duke Energy rate cases. The ORS has also participated, and continues to participate, in proceedings at the Commission resulting from the SC Energy Freedom Act (Act 62 of 2019).

In addition to participating in proceedings at the Commission, the ORS also worked to resolve complaints, conducted audits and enforcement actions, as well as provided technical regulatory assistance. Information regarding these items is discussed under items (1) and (2) in the following GOAL.

- 2. The ORS’ operations contribute to utility rate stability and affordability, as well as reliable and high-quality utility services.**

For the proceedings before the Commission, consumer utility rates were approved at a lower rate than originally requested. There was a total reduction of

\$158,849,603 for the approved utility rates as compared to the revenues as originally requested.

GOAL:
THE ORS PROMOTES RELIABLE AND HIGH-QUALITY SERVICES.

OBJECTIVES/ACTION ITEMS

1. The ORS analyzes and evaluates the performance of regulated public utilities.

The ORS Audit Department evaluates the accuracy of financial data provided by utilities for their rate filings at the Commission. This department conducted a total of 340 regulatory reviews and audits during the review period.

In addition to audits, the ORS also conducts inspections of regulated utilities. The following are inspections performed by ORS during the review period:

- Pipeline Safety (natural gas): 165
- Rail Safety: 240
- Household Goods Carriers: 43
- Transportation Carriers - individual vehicle inspections: 6,175

2. The ORS equitably enforces the laws, rules, and regulations relating to public utilities.

The ORS works to equitably enforce the laws, rules and regulations relating to public utilities. It issued citations on defects found during inspections; for example, 536 rail safety defect citations resulting from its inspections. It also investigated 93 complaints with transportation carriers and implemented quality control measures.

3. The ORS provides technical assistance and streamlines processes for consumers and utilities.

ORS provided technical assistance for the following:

- Pipeline Safety: 279 technical natural gas pipeline safety-related inquiries from the public, operators and contractors.
- Rail Safety: 333 technical railroad safety-related inquiries from railroads, industry, and the public.
- Transportation Department: over 27,300 inquiries from the public, and prospective and regulated transportation carriers; and provided technical assistance to companies over 900 times.
- Water and wastewater: responded to 445 inquiries and helped these companies attain 100% annual compliance with performance bond requirements during the review period.

The ORS Telecommunications Department, which administratively oversees various telecommunications funds and programs, such as the SC Universal Service Fund and SC Dual Party Relay Fund, provided technical assistance to 514 companies and 25 new applicants, consultants and regulated companies. Ninety-seven percent of these companies were in compliance with annual report requirements.

The ORS also administered the third-party solar leasing program, in which staff addressed applications and certifications, and assisted customers with questions and complaints.

GOAL:
THE ORS IS RESPONSIVE TO THE PUBLIC.

OBJECTIVES/ACTION ITEMS

1. The ORS resolves consumer complaints in a timely manner.

The ORS addressed over 2,700 complaints, from consumers during the review period. These complaints covered a variety of topics, including, but not limited to, utility bills, deposits, smart meters, and net metering. Investigations of complaints by ORS Consumer Services staff saved customers approximately \$471,900 during the review period (approximately \$127,000 is attributed to annually recurring recoveries).

2. The ORS provides technical regulatory assistance.

The ORS worked to resolve consumer complaints through an informal investigation process. The ORS also provided assistance in matters regarding public safety, such as fulfilling duties as emergency support (ESF 12) at the State Emergency Operations Center as needed, and worked with other agencies to respond to public safety concerns related to utilities.

3. The ORS provides consumer education.

The ORS provided consumer education through outreach with consumers and working with other entities. In addition to speaking with consumers that directly contact ORS, the ORS typically sends 30,000-40,000 brochures annually to community-action agencies throughout South Carolina on a variety of consumer-education topics.

Upon receiving information regarding potentially misleading sale practices by certain solar companies, the ORS initiated a campaign to educate the public. This campaign included: (1) an op-ed distributed to papers throughout SC, (2) a public service announcement for television and radio stations; and (3) outreach to low-income and senior populations, which included a list of questions to ask before buying or leasing solar panels.

The ORS also expanded its outreach regarding the South Carolina Equipment Distribution Program, which provides specialized telephone equipment to consumers who have hearing or speech challenges.

The ORS continued to work with investor-owned electric and gas utilities, as well as law enforcement agencies and women's shelters, to waive the initial credit and deposit requirements for domestic violence victims. During the review period, 65 individuals benefited from this program.

4. The ORS issues press releases and information to the media.

The ORS posted 59 news releases, media advisories, public announcements, reports and documents of interest on its website. Other information provided to the media is described in the preceding item (3).

GOAL:

THE ORS ANTICIPATES AND RESPONDS TO POLICY DEVELOPMENTS THAT IMPACT THE ORS' MISSION.

OBJECTIVES/ACTION ITEMS

1. The ORS consults with and/or retains recognized experts to assess emerging trends or specific issues.

The ORS consulted with, and retained, experts for the SCANA/Dominion merger, the abandonment of V.C. Summer units 2 & 3, and the Duke Energy rate hearings. The ORS also contracted with an independent consulting firm to develop a report summarizing key issues relevant to Act 236 (2014), which dealt primarily with renewable energy matters.

2. The ORS reviews, analyzes, and monitors regulatory, statutory, and judicial decisions or trends with regard to utility regulation. The ORS gathers and provides input, participates, educates, or takes other appropriate action when necessary.

The ORS has been involved in matters at the Commission regarding Act 62 (2019), also referred to as the "SC Energy Freedom Act." In addition, the ORS is currently developing its plan to implement Act 56 (2019), which requires ORS to audit electric cooperatives and investigate cooperative customer complaints regarding disconnection procedures. Additionally, the ORS has reached out to Transportation Network Carriers (TNC) regarding the new statutory requirements as to how TNC drivers display their license plate number.

GOAL:
**THE ORS ENERGY OFFICE ADVANCES SOUTH CAROLINA'S ENERGY
STRATEGY AND POLICY THROUGH EDUCATION AND OUTREACH.**

OBJECTIVES/ACTION ITEMS

- 1. The ORS Energy Office facilitates the development of the State Energy Plan.**
The ORS Energy Office held stakeholder meetings and hired an independent consulting firm to provide a report that summarized key issues following Act 236 (2014). The Energy Office continued to work with stakeholders to address top-tier State Energy Plan recommendations during the review period, and will continue to further develop the State Energy Plan in the coming fiscal year.
- 2. The ORS Energy Office promotes energy efficiency, renewable energy, clean transportation, and alternative fuels through education and outreach activities.**
The ORS Energy Office promotes energy efficiency, renewable energy, clean transportation, and alternative fuels through its education and outreach efforts. These education and outreach efforts include conferences and community events, presentations, and planning local and regional education and outreach events with renewable energy stakeholders.
- 3. The ORS Energy Office administers federal financial assistance to support public and private entities investing in energy-saving programs.**
The ORS Energy Office administered low interest loans and grants for various energy efficiency initiatives. It provided over \$1.5 million in low interest loans to public and private entities, with an expected lifetime savings to borrowers of \$3 million. It provided \$29,000 in grants for public entities and nonprofits, with an expected savings of over \$450,000 during the life of the projects. The Energy Office also approved approximately \$109,000 in tax credits and incentives for renewable energy, energy efficiency and transportation. It promoted adoption of solar and energy efficiency through the following financial programs: (1) ConserFund, (2) ConserFund Plus, (3) mini-grants, and (4) Energy Efficiency Revolving Loan.
- 4. The ORS Energy Office provides technical assistance through energy audits of public facilities.**
The ORS Energy Office assisted state agencies, colleges, and school districts with energy efficiency audits. Staff provided benchmarking energy use and costs to meet the mandatory energy consumption reduction goal by 2020.
- 5. The ORS Energy Office serves as an informational and educational resource on energy matters.**
The ORS Energy Office monitors trends, policies and regulations on the local, state, regional and national levels regarding energy efficiency, transportation, energy storage and renewables. Staff responded to over 1,000 requests for

information and the Energy Office is creating an online portal that will consolidate energy assistance programs and incentives into one database.

GOAL:

THE ORS' OPERATIONS ARE MARKED BY PROFESSIONAL EXCELLENCE.

OBJECTIVES/ACTION ITEMS

1. The ORS hires and retains qualified personnel who will carry out the mission of the ORS.

The ORS hired and retained qualified personnel to carry out ORS's mission. During the review period, ORS also engaged outside experts to assist with the Dominion/SCANA and Duke Energy cases.

2. The ORS strives to allocate resources to maximize efficiency and address the changing needs of stakeholders.

In an effort to maximize efficiency and address changing needs, the ORS has worked to reorganize staff structure. For example, the agency created positions for Chief Operating Officer and Chief Legal Officer, and recently filled the position for Chief Financial Officer. The creation of these positions did not require additional FTEs. During the next fiscal year, ORS will examine whether additional reorganization is needed to better support ORS's mission.

3. The ORS maintains and enhances knowledge by attending conferences and meetings, staying current on best regulatory practices in other states, and participating in ethics training and other types of internal and external professional training.

As required by South Carolina Code §58-4-50(C), all ORS employees participated in 6 hours of annual ethics training. ORS staff also attended various other classes, seminars, conferences, site visits and other meetings throughout the review period.

4. The ORS embraces the implementation of technology in the workplace.

The ORS launched a new website in December 2018, www.ors.sc.gov, which is intended to be more user-friendly. The ORS Information Technology staff supported the agency through computer management, maintenance and help desk roles. ORS Information Technology staff also conducted an annual cyber security awareness campaign and provided training for other ORS staff.

5. The ORS responds to requests for assistance from the Governor, legislators, and others.

The ORS responded to 156 requests from the Governor and legislators and had 464 contacts with the media during the review period.

6. The ORS coordinates with local, state, and federal agencies.

The ORS coordinated with a vast array of local state and federal agencies. A list of nearly 90 entities was provided as an example of other entities which the ORS has worked with during the review period.



Executive Director Questionnaire

Fiscal Year 2018-2019

Performance Summary for:

Nanette S. Edwards

Executive Director

Review Period:

July 17, 2018 – June 30, 2019

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Educational Programs Attended

The Executive Director stays current on issues that may impact the ORS' mission and actively engages in educational and professional development opportunities toward that goal.

Program Name	Sponsoring/Org./DATE	Topic	Hours	Benefit to ORS/Exec Director
Model Electricity Sector Project Meeting	ECSC- 8/6/18	Adopt model electricity sector for SC	2	Professional Development
Ethics Training 2018	ORS and PSC- 10/12/18	Required annual ethics training	6	Professional Development
Clean Energy Summit	SCCEBA 12/18/2019	Panel Participant	4	Professional Development
SCEUC	SCEUC- 5/3/19	Conference on energy issues	5	Professional Development
2019 Governor's Annual Tabletop Exercise	SCEMD- 5/9/19	Emergency Preparedness	2	Professional Development
SC Clean Energy Business Alliance	SCCEBA- 5/22/19	Conference on energy	2	Professional Development
Solar Power Southeast	SEIA & SEPA - 5/29/19	Panel Participant	5	Professional Development
ECSC Summer Conference	ECSC- 6/5/19	Panel Participant	5	Professional Development
TOTAL			31	

Participation in Organizations

The Executive Director focuses her involvement on areas in which she can best build awareness for the ORS and its role among consumers, utilities, state and federal agencies, legislators, and the media.

From July 1, 2018 to June 30, 2019, the Executive Director served on the following committees:

- **State Emergency Response Team** – This team represents the most critical life-safety functions for immediate response during a disaster or emergency.
- **SC Energy Advisory Committee** – Part of the ORS Energy Office, this Committee is charged with formulating a State Energy Plan and commenting and advising on energy-related activities.
- **State Energy Plan – Phase III Subcommittees**
 - Integrated Resource Planning Process
 - Natural Gas Infrastructure
 - Building Energy Codes
 - Funding for Needed Energy Upgrades
 - Act 236 Progression
 - Environmental Equity Assessment
 - Lead by Example – State Transportation
 - Facilitation of State Agency Energy Efficiency

The Executive Director works collaboratively with federal, state, and local agencies and organizations to build relationships and further the mission of the ORS. Coordination of services among these organizations is a priority to effectively carry out the mission and to efficiently utilize agency funding.

State and local agencies and organizations include, but are not limited to, the following:

- Governor's Office
- SC General Assembly
- State Regulation of Public Utilities Review Committee (PURC)
- Public Service Commission of South Carolina
- SC Emergency Management Division
- SC Department of Administration
- SC Department of Health and Environmental Control
- SC Department of Social Services

- SC Department of Consumer Affairs
- SC Department of Health and Human Services
- SC Department of Public Safety
- SC Attorney General
- SC Insurance Reserve Fund
- SC Department of Insurance
- SC Department of Parks, Recreation, and Tourism
- SC Department of Natural Resources
- SC Department of Commerce
- SC Department of Revenue
- SC Tariff Bureau
- SC Department of Transportation
- SC Office of The State Auditor
- SC Public Service Authority - Santee Cooper
- State Climatology Office
- SC-ETV
- State Transport Police
- SC Energy Users Committee
- SC Solar Council
- SC Telecommunications and Broadband Association
- SC Trucking Association
- SC Association of Municipal Power Systems
- Electric Cooperatives of SC
- Community Action Agencies
- Community Development Corporation
- SC 811
- Medical Transportation Advisory Committee
- Midlands Utility Coordinating Committee (gas pipeline)
- Operation Lifesaver
- SC Thrive
- Sistercare, Inc.
- Pee Dee Coalition Against Domestic Violence
- Safe Harbor, Inc.
- SC Clean Energy Business Alliance
- Municipal Association of South Carolina
- SC Regional Transmission Planning Stakeholder Group
- DSM/EE Advisory Council for Dominion Energy and Duke Energy
- SC Small Business Chamber of Commerce

- SC Appleseed Legal Justice Center
- Southern Environmental Law Center
- Transportation Association of South Carolina
- SC Assistive Technology Program
- Coastal Conservation League
- Conservation Voters of South Carolina
- Southern Alliance for Clean Energy
- Solar Energy Industries Association
- Vote Solar
- SC Solar Business Alliance
- SC Farm Bureau
- Sustainable Energy Solutions, LLC
- Sierra Club
- SC Manufacturers Alliance
- Upstate Forever
- Savannah River National Laboratory
- York County
- League of Women Voters of South Carolina
- AARP South Carolina
- Distributed Energy Resource Program Collaboratives – Dominion Energy and Duke Energy
- Friends of the Earth
- City of Orangeburg

Regulatory organizations, federal agencies, and related groups include:

- National Association of State Utility Consumer Advocates (NASUCA)
- National Association of Regulatory Utility Commissioners (NARUC)
- National Regulatory Research Institute (NRRI)
- Federal Energy Regulatory Commission (FERC)
- Nuclear Regulatory Commission (NRC)
- Federal Communications Commission (FCC)
- Pipeline and Hazardous Materials Safety Administration (US DOT PHMSA)
- Federal Railroad Administration (FRA)
- Federal Motor Carrier Safety Administration
- Universal Service Administrative Company (USAC)
- US Department of Energy
- US Environmental Protection Agency
- US Department of Defense and all other federal executive agencies

- Society of Utility and Regulatory Financial Analysts (SURFA)
- Atlantic Compact Commission
- American Council for an Energy Efficient Economy (ACEEE)
- Association of Energy Engineers
- National Association of Pipeline Safety Representatives
- North Carolina Public Staff
- Low-Level Radioactive Waste Forum

Representation in Official Capacity as Executive Director

The Executive Director welcomes opportunities for speaking engagements to groups and organizations interested in learning about the ORS and its role in utility regulation for South Carolina. The Executive Director is called upon to share her experience, knowledge, and expertise with stakeholder groups and the general public. The following table lists presentations made by the Executive Director on behalf of the ORS:

Name	Date	Topic
Energy Advisory Council	7/17/18	Energy grants
Act 236 2.0 Stakeholder Meeting	11/7/18	State Energy Plan
Act 236 2.0 Stakeholder Meeting	12/7/18	State Energy Plan
House Ways and Means Budget Hearing	1/8/19	ORS Budget
SFC Transportation Regulatory Subcommittee Hearing	2/5/19	ORS Budget
Public Utilities Subcommittee	2/13/19	SC Energy Freedom Act
Senate Judiciary Subcommittee	2/20/19	S. 110 (Securitization) & S. 332 (Clean Energy Access Act)
Senate Judiciary Subcommittee	3/6/19	S. 110 (Securitization) & S. 332 (Clean Energy Access Act)
Subcommittees S.110 and S.332	3/20/19	S. 110 (Securitization) & S. 332 (Clean Energy Access Act)
West Metro Rotary Club	4/5/19	V.C. Summer

SCEUC Presentation	5/3/19	Utility climate and regulatory issues
2019 Governor's Annual Tabletop Exercise	5/9/19	Exercises for state of emergency during hurricanes
SC Clean Energy Business Alliance	5/22/19	Legislative & Regulatory Perspectives on the 2019 Session
Solar Power Southeast	5/29/19	Meter Distributed Energy Resources
ECSC Summer Conference	6/5/19	Overview of ORS
Energy Advisory Council	6/28/19	Energy grants

In leading the ORS, the Executive Director has established a policy of accessibility and responsiveness for herself and for the agency. This policy has greatly benefited the ORS in the development of positive relationships with the media, legislators, and other stakeholder groups. Whether directly quoted by the media or serving as a reliable source of information for them, the Executive Director is regarded as a respected and accessible expert in utility regulation.

- In FY 18-19, the ORS responded to **464** contacts from the media. Of this total, **134** were responded to directly by the Executive Director; many others were addressed in collaboration with the agency spokesperson.
- In FY 18-19, the agency received and addressed **156** requests from state lawmakers. The Executive Director directly addressed **51** of these requests.

Notable Cases

Upon passage of Act 258, the mission of the ORS changed. The SC General Assembly revised the public interest definition to focus ORS' responsibility on representing the consumer and preserving continued investment in and maintenance of facilities to support high-quality, reliable utility service. This change resulted in the ORS filing more extensive testimony to support its revised mission. Even though utility cases have become more challenging, the ORS continues to work with all parties, including utilities, to resolve as many issues as possible.

SCANA/Dominion Abandonment and Merger Case. 2017-207-E, 2017-305-E, 2017-370-E

The SCANA/Dominion abandonment and merger case was the most contested case in ORS' history up to that point in time. ORS staff spent long hours -- including late evenings, weekends, and holidays -- investigating the case history and preparing for the merits hearing held during November 2018. To support its recommendations to the PSC, ORS staff and its experts reviewed more than 2.4 million pages of documents and financial records. The ORS sought and obtained the opinions of industry experts. Due in part to efforts of the ORS, Dominion agreed to reduce the cost to customers by approximately **\$7.9 billion over 20 years** from the amount originally requested.

Duke Energy Carolinas Rate Case. 2018-319-E

Duke Energy Carolinas (DEC) proposed a rate of return on common equity (ROE) of 10.50%. The ORS recommended and the PSC adopted an ROE of 9.50%. In addition, the ORS recommended adjustments to the PSC to disallow approximately 56% of the requested South Carolina spend of \$218,967,257 not related to ongoing power generation operations at active plants. The ORS also recommended the PSC address the Grid Improvement Plan (GIP) and proposed phase-in of resulting rates in a separate docket instead of in a rate case to allow stakeholders more time to conduct a thorough analysis of the GIP to ensure the investments benefit the customers. Savings to customers is **\$123,876,000**.

Duke Energy Progress Rate Case. 2018-318-E

Duke Energy Progress (DEP) proposed an ROE of 10.50%. The ORS recommended and the PSC adopted an ROE of 9.50%. In addition, the ORS recommended adjustments to the PSC to disallow approximately 81% of the requested South Carolina spend of \$50,740,298 not related to ongoing power generation operations at active plants. The ORS also recommended the PSC address the Grid Improvement Plan (GIP) and proposed phase-in of resulting rates in a separate docket instead of in a rate case to allow stakeholders more time to conduct a thorough analysis of the GIP to ensure the

investments benefit the customers. Savings to customers is **\$26,568,000**.

The DEC and DEP rate cases were contentious. In these cases, a significant monetary issue was the rate of return on common equity (ROE). Both DEC and DEP, in their respective cases, requested a return of 10.5% while the ORS expert witness recommended 9.3% in his written testimony, along with a range of 9.10% to 9.50% for both DEC and DEP. Ultimately, in the hearing the ORS witness stated that 9.50% was acceptable, and 9.50% is what the ORS put forth in its brief for DEC and the proposed order for DEP.

Another significant and contentious monetary issue was costs associated with the North Carolina Coal Ash Management Act (CAMA). Due to a coal ash spill into the Dan River by Duke in 2014, the North Carolina Legislature passed the CAMA. The CAMA is significantly more stringent than the federal Coal Combustion Residuals rule, thereby resulting in additional expenses being incurred by the utilities.

The CAMA significantly increased the costs associated with the disposal of coal ash. The ORS took the position, ultimately approved by the PSC, that South Carolina customers should not be required to pay the costs associated solely with the North Carolina law.

Piedmont Natural Gas RSA. 2018-7-G

On September 10, 2018, the ORS met with Piedmont Natural Gas to discuss adjustments made by the ORS during the annual Rate Stabilization Act review. The annual savings to rate payers is \$13,855,623. Savings to customers as a result of proposals by the ORS is **\$6,823,392**.

SCE&G RSA. 2018-6-G

The ORS completed its review of SCE&G's 2018 RSA monitoring report filing for the twelve-month period ending March 31, 2018. SCE&G requested a decrease to gas revenues of \$18,737,191. With adjustments, the ORS recommended a decrease to revenues of \$19,716,936. SCE&G accepted the adjustments. The reduction will save customers an additional **\$979,745** over the next twelve months.

Kiawah Island Utilities Rate Case. 2018-257-WS

On March 19, 2019, the ORS and Kiawah Island Utility, Inc. (KIU) filed a Stipulation Agreement in the utility's rate case. The Stipulation entitles KIU to an adjustment in rates and charges sufficient to generate additional revenue for the test year of \$482,369 and an operating margin of 14.25% based on the test year revenues after adjustments proposed by the ORS. The stipulation allows for an increase in the monthly sewer fee

from \$33.79 to \$36.05 for an average KIU customer. The monthly water bill for customers using 11,000 gallons per month will increase from \$80.60 to \$85.81. The PSC approved the Stipulation. Savings to customers is **\$314,217**.

Palmetto Wastewater Reclamation. 2018-82-S

The settlement resulted in an increase in revenue of \$327,548 as opposed to a requested amount in the application of \$615,797. The calculation of excess revenues collected since January 1, 2018 by Palmetto Wastewater Reclamation resulted in an over recovery of revenue of \$97,771 to be returned to customers as a rate decrement over three years, or \$0.34 per SFE per month. The ORS proposed an ROE of 9.6% before settling on a 9.93% ROE. The Company proposed an ROE of 10.75%. The PSC approved the settlement agreement. Savings to customers is **\$288,249**.

Carolina Water Service. 2017-292-WS

In February 2019, Carolina Water Service (CWS) filed a petition for rehearing and reconsideration of the PSC's decision to deny recovery of legal expenses regarding the dumping of sewage in the Saluda River. Subsequently, the ORS petitioned for reconsideration.

The ORS' position on this matter remains that, where CWS was found to have violated environmental laws, customers should not have to bear the expense of litigation. As of this writing, the PSC has not ruled on the Company's motion for reconsideration.

Accomplishments of the ORS

Mission and Values

Mission Change

Act 258 became law on June 28, 2018. Through this legislation, public interest is now defined as follows:

the concerns of the using and consuming public with respect to public utility services, regardless of the class of customer, and preservation of continued investment in and maintenance of utility facilities so as to provide reliable and high-quality utility services.

Specifically, “public interest” as it applies to the ORS’ mission no longer includes the financial integrity of public utilities nor does it include economic development, job creation, or job retention. This revised public interest definition shifts the ORS from balancing competing interests to a more concentrated focus on consumers.

The **values** of the ORS remain unchanged and are fundamental to its success: *Integrity, Impartiality, Responsiveness, Respect, Professionalism, Innovation, and Excellence*. These seven values are required performance characteristics of every ORS employee as indicated on each employee’s EPMS evaluation.

Savings Resulting from Cases

In FY 18-19, total savings is **\$158,849,603**. The *Notable Cases* section earlier in this report details the ORS’ efforts and accomplishments in major cases this year, including the SCANA/Dominion abandonment and merger case and the Duke Energy rate cases.

Savings by Fiscal Year (Rounded to the nearest thousand)

FY 04-05	\$63,356,000
FY 05-06	\$95,475,000
FY 06-07	\$59,794,000
FY 07-08	\$114,662,000
FY 08-09	\$147,692,000
FY 09-10	\$198,992,000
FY 10-11	\$233,461,000
FY 11-12	\$405,436,000
FY 12-13	\$83,097,000
FY 13-14	\$175,000,000
FY 14-15	\$45,983,000
FY 15-16	\$30,816,000
FY 16-17	\$69,388,000
FY 17-18	\$28,736,000
FY 18-19	\$158,850,000
TOTAL	\$1,910,738,000

Energy

Energy Office Savings to the Public

Through Energy Office efforts, the public is projected to save more than **\$14.5 million** over the life of various energy efficiency initiatives including, but not limited to:

- Provided public and private entities and nonprofits with low-interest loans totaling \$1,567,079 resulting in projected lifetime monetary savings to borrowers of \$3 million.
- Granted public entities and nonprofits 5 mini-grants totaling \$29,000 to spur innovation and save over \$450,000 over the useful life of projects. Collectively, the recipients are expected to save over 2,100 megawatt hours of electricity and 15,000 gallons of fuel over the lifetime of their projects and reduce annual carbon emissions by over 148 metric tons.
- Approved approximately \$109,000 in renewable energy, energy efficiency, and transportation tax credits and incentives.
- Promoted the adoption of solar and other energy efficiency upgrades through four financial programs: ConserFund, ConserFund Plus, mini-grants, and the Energy Efficiency Revolving Loan (EERL).

State Energy Plan

Near the end of the prior fiscal year (FY 17-18), the PURC directed the ORS to reconvene the Act 236 Study Committee. In June of 2018, the ORS Executive Director, with assistance from the Energy Office, initiated a meeting of the Act 236 Study Committee. Stakeholder meetings continued through the first half of FY 18-19 resulting in a report submitted to the PURC that was developed by an independent consulting firm.

(See *Accomplishments of the Executive Director* section for more details.)

Consumer Protection and Assistance

Consumer Services

The ORS supported consumers to arrange installment payments, extensions to payment due dates, manageable security deposits, and access to community financial assistance resources. The agency worked with consumers to recover funds due to erroneous charges, refunds of deposits, unauthorized charges, incorrect rates being charged, or disputes about charges. As part of its consumer education efforts, over **34,000** publications and promotional materials were distributed by the ORS Consumer Services Department.

Efforts by Consumer Services staff often result in savings to consumers with total dollars saved in FY 18-19 totaling **\$471,899** (approximately \$127,000 of which are annually recurring recoveries). A large refund to consumers occurred this fiscal year as the result of a routine customer relations compliance review conducted by the ORS that focused on DEP. Findings from this review discovered a disconnect in DEP's escheated refund process of unclaimed customer deposits. As a result, DEP filed the necessary reports with the SC Treasurer's Office and wired a total of **\$323,214** to the SC Treasurer's Office unclaimed funds account.

SC Equipment Distribution Program

The South Carolina Equipment Distribution Program (SCEDP), housed within the ORS, helps consumers who are deaf or have hearing or speech challenges by providing them with specialized telephone equipment. In FY 18-19, SCEDP expanded outreach around the state including distribution of over **36,000** publications and printed materials. The program received and reviewed **875** applications, approved **807** applications, coordinated and shipped **1,528** pieces of equipment, and coordinated equipment installation for **102** clients.

The SCEDP began an iPad distribution initiative for the deaf, hard-of-hearing, and speech-impaired in the latter part of FY 17-18; the first iPad was shipped in April 2018. In FY 18-19, SCEDP distributed a total of **251** iPads; about 65% of those went to clients under the age of 18 who previously had no way to speak over the phone. Through the iPad program, SCEDP is giving this younger generation a voice so they can speak with their grandparents, friends, and family.

In FY 18-19, SCEDP initiated the replacement of equipment with newer models that are more compatible with digital phone service. Included in the new inventory are alerting devices that allow hearing-impaired individuals to be alerted when their home phone or

cell phone receives a call. In addition, SCEDP is offering a cell phone amplifier that will be able to Bluetooth® to a cell phone and connect directly to a person's hearing aid.

Safety and Enforcement

The ORS took action on a variety of safety matters during this fiscal year. Here are a few examples:

Transportation Network Carriers

New legislation regarding Transportation Network Carriers (TNCs) passed in May 2019 and was effective on June 16, 2019. The new law requires that when picking up passengers, TNC drivers must display their license tag number on the front of the vehicle in at least 2-inch letters. ORS Transportation staff consulted with each of the TNCs regarding how they plan to comply with this requirement.

Since the passage of legislation in 2015 authorizing the operation of TNCs in South Carolina, the number of TNCs in this state has grown to five. ORS Transportation inspectors will be conducting driver-file audits of all the TNCs in early FY 19-20.

Pipeline Safety

In February 2019, Pipeline staff began a Pipeline Strikes damage-prevention initiative to reach out to contractors and heighten their awareness of potential dangers and penalties associated with natural gas pipeline digging incidents. Earlier in the fiscal year, staff conducted a survey of all operators to determine who had caused damages on their lines and how much it cost them to make repairs; this information was helpful in designing this awareness campaign aimed at educating third-party contractors and other excavators on the dangers and costs associated with damaging natural gas pipelines.

The ORS Pipeline Safety Program received excellent scores for Calendar Year (CY) 2017 from the Pipeline and Hazardous Materials Safety Administration. For the Progress Report portion of the score, and consistent with previous years, the ORS received a 48 out of 50, with the two-point deduction due to issues with SC damage prevention law penalties that do not meet or exceed the federal penalties. For the Program Evaluation, the ORS scored 96%. The CY 2018 inspection occurred in June 2019, and scores will be reported in FY 19-20.

Through its damage-prevention initiative, ORS Pipeline Safety makes educating third-party contractors on safe-digging practices a top priority. In addition, ORS Pipeline Safety is a leader in the SC Pipeline Emergency Response Initiative (SC PERI) that

trains firefighters to respond to natural gas-related incidents. These efforts will continue in FY 19-20.

ESF 12

Hurricane Florence

While the winds from Hurricane Florence did not do extensive damage in South Carolina, the floodwaters wreaked havoc in certain locations. The ORS ESF 12 team was on 24/7 duty in the State Emergency Operations Center from September 8-20, 2018 and remained on partial duty until the end of September.

During the activation, ESF 12 responded to 102 requests for resources, assets, or information. Primarily, ESF 12 focused on 1) helping Santee Cooper get assets to the Grainger coal ash pond 2) assisting in the restoration of power to poultry farms in the Pee Dee and 3) assisting DSS to acquire outage information for the replacement of SNAP (Supplemental Nutritional Assistance Program) benefits. More generally, ESF 12 assisted in providing forecasts and flooding information to utilities, fuel partners, and the railroads; assisted fuel providers and utility crews in obtaining alternate routes to flooded areas; and monitored the gas systems for flooding.

Aiken County Wildfires

When wildfires began on May 28, 2019 in Aiken County and quickly spread up and down the I-20 corridor, the ORS exercised its ESF 12 duties by alerting Colonial Pipeline (petroleum), Dixie Pipeline (propane), Dominion Carolina Gas Transmission (interstate pipeline), and Dominion's local distribution company. Consequently, these companies dispatched pipeline operators to the scene to make sure firefighters exercised caution while bulldozing or hand-digging fire breaks. To our knowledge, no pipeline accidents occurred.

Railroad

Amtrak Derailment, Cayce SC

At the time of the accident (February 4, 2018), ORS rail inspectors were soon on the scene, along with other first responders, and began the FRA investigation. The ORS Executive Director and her Director of Safety, Transportation, and Emergency Response went immediately to the State Emergency Operations Center where they assisted in coordinating response, conducted media interviews, and provided information to the Governor and legislators.

Subsequently, an ORS rail inspector represented the agency at the National Transportation Safety Board hearing in Washington, D.C. regarding the Amtrak derailment. He offered technical advice and local perspective on how the rail system in South Carolina is laid out.

Progress has been made in the past year regarding measures taken to enhance railroad safety. In the area of Positive Train Control (PTC), the Class I Railroads -- Norfolk Southern and CSX -- have installed nearly 100% of the equipment needed for implementation. PTC is a combination of global positioning, radio waves, and cell technology working together to prevent unintended train movements. In addition, the 911 initiative to give county 911 systems access to GIS (geographic information system) information for railroad mileposts has experienced an increase in the number of participating counties.

Accomplishments of the Executive Director

Executive Director Edwards conscientiously represents the public interest in utility regulation while being a faithful steward of the public's resources. She quickly earned a well-deserved reputation as an outstanding leader and consummate professional.

Although appointed at a time of unprecedented challenges for the agency, its stakeholders, and the state, Executive Director Edwards' hard work, perseverance, and engaging style of leadership proved valuable in setting a successful course for FY 18-19 and beyond. The following are highlights of her first year as Executive Director.

Leadership in an Unprecedented Caseload

The *Notable Cases* section of this report details major cases and savings to consumers, but this section focuses on the tremendous leadership of the Executive Director in managing what was an unprecedented caseload for the agency.

The SCANA/Dominion Abandonment and Merger Case

This case was the most contested in ORS' history. Tremendous amounts of staff time and resources across multiple departments were devoted to preparations for the November 2018 merits hearing. The Executive Director successfully managed the unprecedented demands on the ORS and its staff while also conducting the ongoing work in all areas of the agency. Due in part to efforts of the ORS and the Executive Director in this matter, Dominion agreed to reduce the cost to customers by approximately **\$7.9 billion over 20 years** from the amount originally requested. A wide array of stakeholders expressed their appreciation following the conclusion of the merits hearing:

"Now that the dust is settling, I just wanted to thank you for your incredible leadership on this case. It was a pleasure working with you and we cannot overstate how much SELC appreciates your willingness to help us elevate our case. You should be immensely proud of the case you and your team put on. It was a pleasure working with you."

Will Cleveland

December 2018

Southern Environmental Law Center

"I just wanted to convey my appreciation for your dedication, availability and thoughtfulness throughout this past year. I know the outcome today was not what you had sought for South Carolinians but, for whatever it's worth, meeting you and seeing your team at work has truly reinforced my faith in public service and public servants."

Andrew Lowenthal
Senior Policy Analyst
Reorg M&A
December 2018

"I saw that your proposed order was filed late yesterday evening. The order alone was a monumental task. However, since your appointment as Executive Director of the ORS, you have been forced to overcome obstacles that most would not have even dared to try to clear. Against formidable opposition, you effectively managed a team of highly qualified regulatory and legal experts to propose a resolution of the dispute over SCE&G's failed nuclear construction that was fair to both ratepayers and the utility. During this ordeal, you and your staff worked closely with a disparate group of intervenors who were not always aligned with the ORS legal positions. ... I wanted to take a moment to thank you, no matter the result..."

Scott Elliott, Esquire
December 8, 2018

"If you and ORS hadn't drawn the lines you did, we would be on their first offer, much worse outcome. You accomplished a lot. And now the merger conditions, which matter so much."

Lynn Teague
League of Women Voters of SC
December 2018

“... The ORS NND and legal team won a victory and finality today with the Public Service Commission’s announcement that they would largely accept the last, best offer from Dominion as the solution to the \$5 billion spent on the abandoned nuclear power plant project... with our advocacy, Dominion voluntarily lowered its demand for cost recovery three different times to ultimately less than \$1,800 over 20 years and at an average monthly rate lower than the temporary rate.

This is a pretty remarkable outcome now, considering the predictions about what would be the permanent rate at the end of the federal court challenge to the experimental rate.

We wanted more in the decision today, but it is a very good result with more stability and certainty and, most importantly, finality. Thank you for letting us be a part of it.”

Matthew Richardson, Wyche Firm
December 2018

DEC and DEP Rate Cases

The DEC and DEP rate case applications were filed in November of 2018. The Executive Director and staff spent many hours preparing for these challenging cases. Again, the Executive Director effectively marshaled the resources of the ORS to develop and put forth what the ORS believed to be the best-case scenario for customers.

The efforts of the Executive Director on behalf of the ORS garnered much well-deserved appreciation.

“I just wanted to thank you and your staff for helping to defeat the rate request by Duke Energy. I just received a message that the PSC turned down the Duke request. I want you to know how thankful I am to have dedicated individuals like yourself to help those of us in the community that sometimes are left at the mercy of larger utilities and corporations... I can’t say enough how much I appreciate your defense for a fair fight!”

Grateful Customer
May 8, 2019

“... Our members are impressed with how quickly you embraced your new role at the Office of Regulatory Staff. Your advocacy on behalf of ratepayers has already begun to benefit South Carolinians...”

Bill Cummings
SC Energy Users Committee
May 10, 2019

Act 236 Study Committee – State Energy Plan

Near the end of the prior fiscal year (FY 17-18), the PURC directed the ORS to reconvene the Act 236 Study Committee. In June of 2018, the Executive Director, with assistance from the ORS Energy Office, initiated a meeting of the Act 236 Study Committee. She worked with approximately 50 public- and private-sector stakeholder organizations representing diverse interests and achieved a consensus among them to move forward with regular meetings and to work collaboratively.

During the first half of FY 18-19, the Executive Director led ten stakeholder meetings, and the independent consulting firm Energy and Environmental Economics, Inc. (E3) was part of the collaborative process. With stakeholder input, E3 developed a report that summarized key issues relevant to a potential sequel to Act 236, known as “Act 236, version 2.0.” This final report, submitted by the Energy Office to the PURC in December 2018, provided an overview of the issues, rather than specific recommendations. Key takeaways and areas of contention were highlighted to inform decision makers.

State Energy Plan

During FY 18-19, the Executive Director and Energy Office staff continued to work toward addressing top-tier State Energy Plan recommendations as part of the Phase III implementation efforts. The Executive Director will continue to lead the Energy Office in further developing the State Energy Plan in the coming fiscal year.

Protection and Assistance for At-Risk Consumers

Helping Victims of Domestic Violence

The Executive Director represents the public interest with an ever-vigilant eye toward the protection of consumers. As part of this role, the Executive Director oversees certain safety-net programs for at-risk consumers such as the deposit waiver for domestic-violence victims begun by the ORS several years ago. In this agreement with the investor-owned electric and gas utilities and women’s shelters, the utilities waive the initial credit and deposit requirements for domestic-violence victims. Through the years,

this effort has expanded to law enforcement agencies who certify domestic violence victims. In FY 18-19, this program benefited **65** individuals and has benefited **496** individuals since its inception.

Warning Consumers of Possible Scams

The Executive Director takes action to alert the public to potential scams. One example that occurred this year was a campaign to warn consumers of potentially misleading sales practices by certain solar companies.

In May 2019, the ORS received a file containing a recorded solar sales training session. The recording was transcribed by the ORS and distributed internally to key personnel. The Executive Director contacted the SC Attorney General's office and the SC Department of Consumer Affairs to make them aware of the sales tactics described therein. She then embarked on a three-part strategy to educate the public: 1) an op-ed to distribute to papers across South Carolina 2) a Public Service Announcement (PSA) for television and radio stations and 3) outreach efforts to low-income and senior populations, along with a checklist of questions to ask before buying or leasing solar panels.

The op-ed was released to 22 South Carolina newspapers in June 2019. In addition, it was picked up by Energy Wire, which is distributed nationally. A PSA began running around July 1, 2019 and will be discussed further in the FY 19-20 report. However, the PSA was *developed* during this fiscal year. It was the result of cooperation among the ORS, DHEC (providing studio production at no cost), the US Department of Energy (providing \$8,000 in grant funding through its Office of Energy Efficiency and Renewable Energy), and the SC Broadcasters' Association (providing access to every radio and television market in the state). The partnership with the Broadcasters' Association was especially beneficial as it allowed for a much farther market reach than would have been financially possible otherwise. When the PSA launched in July, other partners – AARP, SC Department of Consumer Affairs, and Appleseed Legal Justice Center –helped further spread the message via their social media channels.

Prior to the launch of the PSA, the Executive Director engaged stakeholders by sending them a draft version of the announcement to solicit their input. Below are a few of the comments received:

"Great Job! Sends the right message without the doom and gloom. As I've said before, I greatly appreciate the leadership on this information."

Bret Sowers
Southern Current

"I think this is an excellent and appropriate message to educate consumers to be diligent before signing a long-term agreement. Well done. Thanks for sharing."

Grant Reeves
InterTech Group, Inc.

"...Proud of your PSA..."

Keller Kissam
Dominion Energy South Carolina

"Our folks like the PSA and believe it will help educate the public. We are pleased you are including Santee Cooper's utility information on the website linked in the PSA. Santee Cooper has staff to help customers understand DG/solar choices and our rate structure."

Geoff Penland
Santee Cooper

Resolving Consumer Complaints

Under the direction of the Executive Director, the ORS Consumer Services Department is the first line of contact for consumers who have complaints regarding their utilities. In FY 18-19, Consumer Services fielded over **2,700** complaints from consumers and recovered over **\$471,000** on their behalf.

"Thank you for your follow-up concerning the ... fence damage and kudzu infestation regarding my family's property... If my original concerns had been properly addressed and not wholly ignored when I initially conversed with and wrote to (the utility) in 2018, this matter would have been cleared up and settled much earlier..."

Grateful Consumer
March 29, 2019

"Thank you for your kindness and effort on my behalf. To say I was upset when I called is an understatement. You listened and were very kind. You truly made me feel at ease. I will not forget your kindness..."

Grateful Consumer
January 24, 2019

Helping Challenged Consumers Communicate

The Executive Director has provided support and guidance to the SC Equipment Distribution Program, housed within the ORS, which has been able to establish an iPad program and upgrade its equipment during this fiscal year. This program provides equipment to consumers who are deaf or have hearing or speech challenges. Following are a few notes of appreciation:

“Thank you for your prompt action in getting my mother a phone for the hard of hearing. I mailed the application 5-9-19 and the phone was delivered to her Assisted Living Facility Room today! Excellent service. Thank you.”

“This telephone will help me hear and the captions will help me read when I talk to my friends from out of town, I feel so much better being able to fully understand what they are saying.”

It is a blessing to have these devices installed, and I am so thankful that these types of devices exist. The installer was a kind and patient person and thank you for coming out to install my equipment. (paraphrased)

Administration

Budget

The Executive Director successfully managed the ORS budget through careful monitoring of expenses on a regular basis. During the review period, the agency underwent the FY 2018 Agreed Upon Procedures engagement conducted by the State Auditor’s Office and received satisfactory audit results.

Agency Staffing

Shortly after her appointment, the Executive Director made some organizational management changes that better positioned the ORS for the future. A Chief Operating Officer position was created (and filled from within the agency) with responsibility for Energy Policy; Utility Rates and Services; Consumer Services; and Safety, Transportation, and Emergency Response. In addition, a Chief Legal Officer position was created (and filled from within) with responsibility for the Legal and Human Resources Departments. Also, the search began for a Chief Financial Officer; as of this writing in early FY 19-20, the position has been filled.

As FY 18-19 progressed, the Executive Director was able to retain capable staff, attract new talent, and begin recruiting outside experts and outside counsel for legal

proceedings. This goal was especially pressing in light of managing the heavy workload brought on by the V.C. Summer Units 2 and 3 legal proceedings and the DEC and DEP rate cases, along with the agency's ongoing work. The Executive Director continues to assess the agency's core functions, particularly in light of the change in mission, and plans career development and career paths for employees.

A New Chapter

The ORS concluded one chapter of its mission with the closing of FY 17-18 and began another in FY 18-19.

Some of the already-known opportunities and challenges on the horizon for FY 19-20 are a continuing heavy caseload for the agency; implementation of both the SC Energy Freedom Act (Act 62) and the Electric Co-op Act (Act 56); and other potential changes that may affect the way electricity is generated, purchased, and distributed in South Carolina.

Through leadership and consensus building, Executive Director Edwards will meet these challenges, and others, successfully.

In closing, an ORS employee moving out of state to be closer to family wrote of her time under Executive Director Edwards' leadership:

"...I am so very fortunate to have had such spectacular women as examples and mentors to me throughout my professional career and you are indeed no exception. Your grace under pressure, commitment to doing the right thing, and presence are inspiring. You are a true example of leadership."

Suggested Improvements

- The Executive Director will continue to implement new long-term responsibilities resulting from the change in the ORS' mission with the passage of Act 258. These responsibilities include continuing to educate customers, utilities, and stakeholders regarding the revised public interest definition.
- The Executive Director will continue to address legislative changes affecting the regulatory environment and adding to responsibilities of the ORS. Two such changes are the SC Energy Freedom Act (Act 62) and the Electric Co-op Act (Act 56). At the time of this writing, the ORS has launched implementation activities for Act 62. Also, at the time of this writing, the ORS is in the process of developing its program to implement Act 56, effective January 1, 2020.
- The Executive Director will continue to search for additional ways to inform customers and the general public of information by utilizing Public Service Announcements, consumer advisories, and other forms of outreach.
- The Executive Director will continue to lead the Energy Office in developing the State Energy Plan.
- The Executive Director will continue to seek cost-efficient educational and training opportunities, including remote-education resources such as webinars, to provide her and her staff with the most up-to-date skills and information necessary to lead the ORS in a rapidly changing regulatory environment. Currently, the Executive Director is working with the Executive Director of the North Carolina Public Staff on joint training opportunities.
- The Executive Director will focus on enhanced methods to communicate, explain, and share the results of the ORS' reviews and examinations with interested stakeholders, the PSC, and the courts.
- The Executive Director will strive to educate regulated utilities about the ORS review and examination process.
- The Executive Director will work with the SC Department of Consumer Affairs to develop consumer protection regulations regarding the sale or lease of renewable energy generation facilities.

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Energy ⁱⁿ Action

South Carolina
State Energy Plan

OFFICE OF REGULATORY STAFF

Overview

- **Proposed Next Steps – Energy Plan**
- **Status of 8 Top-Tier Recommendations**
- **Data Update**



Proposed Energy Plan Next Steps

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Proposed Next Steps Energy Plan



Energy Efficiency Roadmap

Objective:

Implement SC Energy Plan Energy Efficiency Recommendations

- review recommendations
- reassess
- identify new opportunities
- develop implementable actions

Proposed Next Steps Energy Plan

Energy Efficiency Roadmap



Process:

- Step 1: Establish EE Advisory Committee
- Step 2: Establish EE Working Groups
 - Efficient buildings
 - Energy equity/energy burden
 - Utility programs
 - Financing mechanisms
 - Public buildings

Timeframe:

- October 2019 – October 2020

Proposed Next Steps Energy Plan



Electric Vehicle Stakeholder Process

Objective:

- Convene a collaborative, state-wide EV policy discussion

Process:

- Hold informational forums
- Establish work groups

Timeframe:

- 2020



Summary of Top-Tier Recommendations

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Natural Gas Infrastructure

Approach:

- To evaluate the status of natural gas infrastructure in SC

Status:

- Produced infrastructure map
- Completed report December 2018



Integrated Resource Planning

Approach:

- To examine possible changes to the IRP process

Status:

- IRP best practice guide
- IRP flowchart



Building Energy Codes

Approach:

- To explore adoption of updated energy efficiency standards

Status:

- 8 code-enforcement trainings late 2017



Funding for Energy Upgrades

Approach:

- To explore approaches to funding energy efficiency

Status:

- Financing workshop held December 2018
- Online informational portal expected in 2020



State Energy Efficiency

Approach:

- To consider procedures to simplify the process state agencies must use to hire an energy auditor

Status:

- On hold



Environmental Equity

Approach:

- To establish an advisory panel to address issues of environmental justice

Status:

- DHEC's Environmental Justice Hub
- Series of workshops about solar and energy efficiency
- Public service announcement on consumer protection
- Solar information for consumers



Act 236 – Version 2.0

Approach:

- To evaluate next steps for distributed energy resources and net metering in SC

Status:

- Stakeholder group met between June and December 2018
- Final report issued in December 2018



Lead by Example – State Transportation

Approach:

- To evaluate how to incorporate clean transportation into state fleets

Status:

- Transportation Fuel Action Tool (fleet analysis)
- Proposed EV Case Study



SC Data Update

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SC Data Update

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Commerce & Industry

SC Energy Data

Electric

Natural Gas

Renewables

Transportation

Additional Data

State Energy Plan

Reports & Publications

Energy Education

Loans, Grants & Tax Incentives

Public Institutions & Local Governments

Renewable Energy

Residential

Transportation

Radioactive Waste Disposal Program

SCEO PARTNER PROGRAMS

ASCEM

Atlantic Compact Commission

Palmetto Clean Fuels Coalition

INSPECTOR GENERAL'S FRAUD HOTLINE
(State Agency Fraud Only)
1-855-SCFRAUD
or
1-855-723-7283

SC Energy Data

This section contains general energy data for South Carolina, and is updated annually by the Office of Regulatory Staff – Energy Office (Energy Office). The information presented was submitted to the Energy Office by South Carolina utilities unless otherwise noted.

Total Energy Use and Cost per Capita

▶

Electric

▶

Natural Gas

▶

Renewables

▶

Transportation

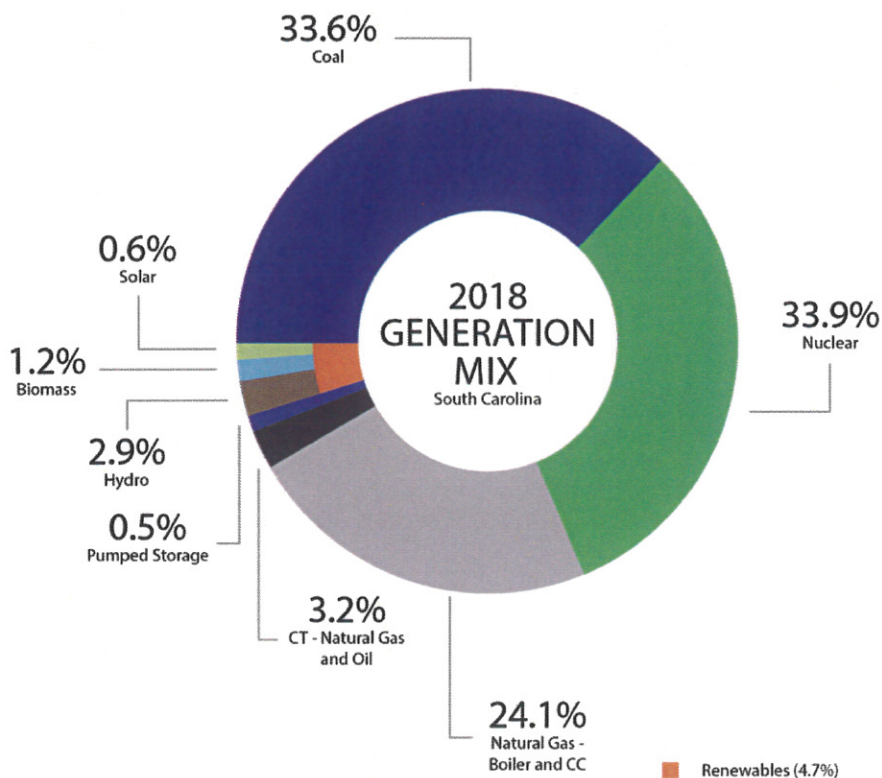
▶

Additional Data

▶

A glossary of terms can be found on the Energy Information Administration (EIA) website.

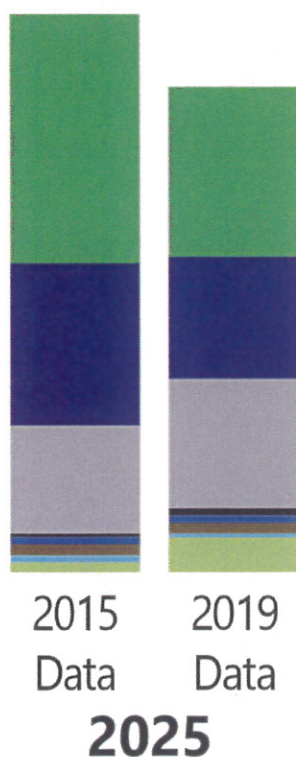
How does South Carolina meet its electricity needs today?



In 2018, SC's generation portfolio was approximately:

- 34% Nuclear
- 34% Coal
- 27% Natural Gas
- 5% Renewables

Where will South Carolina's electricity come from in the future?



Comparing the 2015 to the 2019 forecast both looking forward to 2025 shows:

- Nuclear decreases
- Coal decreases
- Natural gas increases
- Solar increases

		2025	
		2015 Data	2019 Data
	Nuclear	42,622	29,016
	Coal	27,282	20,302
	Natural Gas- Boiler and CC	18,033	22,451
	CT- Natural Gas and Oil	912	1,064
	Pumped Storage	960	1,079
	Hydro	1,967	2,051
	Biomass	1,241	672
	Solar	2,237	6,199
TOTAL (GWh)		95,254	82,833



Anthony James



Catherine Reed



Landon Masters



Darcy Jones



Ben Kessler



Rick Campana



Stacey Washington

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Questions?

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