

2018
ANNUAL REPORT



SOUTHEAST ENERGY EFFICIENCY ALLIANCE

Smart Energy. Strong Economy. For All.

Dear Colleagues,

The past year has flown by and has brought exciting new progress for energy efficiency and for SEEA!

In 2018, we saw the completion of the U.S. Department of Energy's (DOE) four-year landmark **Energy Code Field Study** in which SEEA's **Built Environment** team, together with organizations around the country, researched energy code compliance and outcomes. SEEA collected data and provided analysis for Georgia, Arkansas, Tennessee and Virginia that showed energy codes have achieved robust residential energy savings. In addition, in 2018 the Southeast saw impressive advances in **transportation electrification**, in both policy and implementation efforts, with state leadership coming from Florida, North Carolina and others across the region. SEEA was also pleased **to award ~\$900,000 in funding** for five innovative "game-changer" projects around the region in 2018. Details are included in the following pages.

In 2018, SEEA added five new staff members, including **Anne Blair**, a nationally recognized expert in transportation. Anne now heads up a new SEEA work area, **Energy Efficient Transportation**, and is leading the organization in advancing effective transportation policy and outreach. New staff members who have joined the Policy, Built Environment and Transportation teams have invigorated SEEA with fresh ideas, innovative tools and exciting new approaches, while our new membership manager, **Pamela Fann**, is leading the charge to enhance the opportunities available to **SEEA Members**.

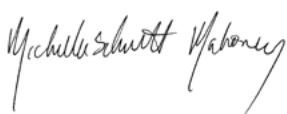
This past year, the **SEEA Conference** focused on the **fusion** of multiple opportunities which together share a common foundation in energy efficiency. Newcomers and veteran industry leaders from across the region and the country explored topics including the evolution of **transportation policy**; the role of up-and-coming technologies such as **blockchain** and **artificial intelligence**; and the importance of **diversity and inclusion** in the energy sector. Meanwhile, southeastern cities once again played a leading role in promoting nationwide **Energy Efficiency Day** on October 5th, 2018.

As always, we are thankful to the **SEEA Members** for their hard work and commitment to energy efficiency; to our friends in the foundation, academic and NGO communities for their continued support; and to state and local governments throughout the region for their collective efforts to ensure the passage and implementation of smart energy policies.

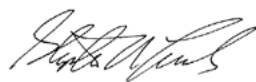
As we look back at the progress of 2018, SEEA continues to take seriously the **challenges that remain**, and the need for **innovation** and **wide-scale collaboration** to address them. In 2019, we look forward to facilitating the hard conversations we must continue to have around the **efficient use of our energy resources**. To support these efforts and our mission, in 2019 SEEA will roll out new events, initiatives and opportunities for our members and stakeholders; a new website with enhanced content capabilities; and fresh initiatives in research and technical assistance for the benefit of all.

We look forward to continuing our work together as we strive to achieve a more prosperous, cleaner and healthier Southeast for everyone.

Best wishes,



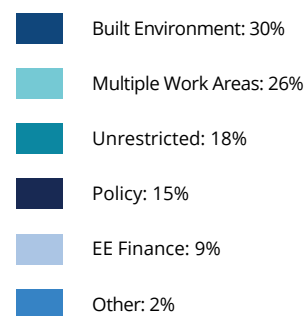
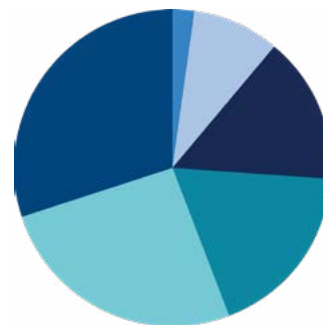
Mandy Mahoney
SEEA President



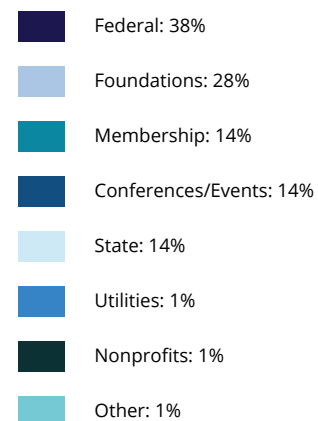
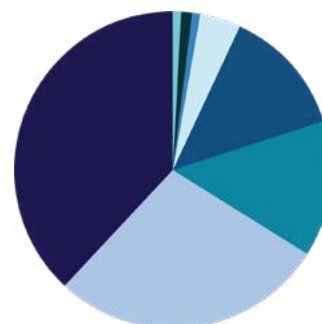
Steve Leeds
2018 SEEA Board Chair



2018 ALLOCATION OF SEEA FUNDING BY WORK AREA



2018 SEEA FUNDING BY SOURCE





POLICY

In 2018, the SEEA Policy team continued to advance energy efficiency opportunities in multiple forums:

- SEEA worked with the Shelton Group to develop the second annual **SEEA Southeast Policy Survey**, which was presented in a plenary session at the 2018 SEEA Conference with Suzanne Shelton.
- As a member of the **Parties Working Collaboratively** stakeholder group in Arkansas, SEEA participated in a working group to develop a **National Standard Practice Manual (NSPM)** case study. SEEA also worked with E4theFuture to support awareness of regional activity relevant to the NSPM and hosted a NSPM webinar.
- SEEA participated in 18 months of stakeholder meetings through the **Georgia Power Demand-Side Management Working Group** to propose program upgrades and new concepts to Georgia Power for consideration in their 2019 IRP filing.
- SEEA convened a **Utilities-Only Low-Income Working Group** and facilitated calls among utility program managers to discuss the challenges and opportunities of low-income energy efficiency program delivery.
- In North Carolina, with support from the **Energy Foundation**, SEEA brought together 20 energy efficiency stakeholders to identify key challenges and develop strategies. SEEA also assisted energy efficiency stakeholders to coordinate their comments on the **Virginia State Energy Plan** as well as ongoing implementation of the **Grid Technology and Security Act**.
- SEEA provided technical assistance to Georgia Power in developing an on-bill financing pilot program, and to the **Mississippi Public Service Commission** on its integrated resource planning and energy efficiency rules.
- SEEA initiated a pilot project for a regionally based business interested in managing its energy use through DOE's 50001 Ready Program. This voluntary program is a self-guided approach for commercial, industrial and institutional facilities to establish an energy management system and self-attest to the structure of ISO 50001, which is a globally recognized standard and best practice for energy management.
- SEEA released two policy white papers in 2018:
 1. Integrating Energy Efficiency into Disaster Recovery
 2. Energy Efficiency in Utility Planning Regulations and Implementation in the Southeast

BUILT ENVIRONMENT

In 2018, SEEA's Built Environment team focused on delivering technical expertise throughout the Southeast on issues related to energy code adoption and compliance:

- SEEA completed **DOE's Energy Code Field Study**, closing out four years of data collection in Georgia, Arkansas, Tennessee and Virginia. In total, SEEA's project team collected data from 1,000+ homes over the course of the study. This work has increased understanding of code compliance throughout the region.
- Working for SEEA, the **Florida Energy Codes Circuit Rider** supported efforts toward implementing strong energy codes. The Circuit Rider conducted over 750 hours of training across Florida for building departments and builder organizations to better understand Manual J calculations (heat gain and loss), Manual S calculations (HVAC sizing), and updates to the residential energy codes. Florida received ~100 hours of technical assistance on energy code issues.
- Together with the Alabama Department of Economic and Community Affairs – Energy Division and the Northwest Energy Efficiency Council, SEEA continued to deliver the **Building Operator Certification (BOC) program** in Alabama. SEEA conducted two trainings in 2018, totaling 25 participants.
- In partnership with all six Regional Energy Efficiency Organizations (REEOs), SEEA released the **Home Energy Ratings (HERs) Variability Study** in December 2018. This study has provided multiple insights on nationwide practices around code compliance and will serve as the catalyst for additional code compliance program research.

“

With our portfolio of businesses and buildings, it is vital that Cox Enterprises stay on the leading edge of energy efficiency and policy. SEEA's subject matter expertise and its wide network of members and partners make that possible with year-round opportunities to connect and learn.

”

Huiet Joseph

Director, Energy Conservation
Cox Enterprises





ENERGY EFFICIENT TRANSPORTATION

In July 2018, SEEA welcomed Anne Blair as our first Director of Energy Efficient Transportation. Anne brings more than a decade of experience in electric and alternative fuel transportation, as well as an extensive professional network throughout the Southeast and nationally. The following represent SEEA's 2018 transportation initiatives:

State Electric Transportation

- SEEA convened and facilitated an in-person strategic planning meeting for the board of **Drive Electric Florida (DEF)**, a statewide coalition of utilities, local government, private companies and advocates working to advance electric transportation in Florida.
- In Georgia, SEEA brought together leading energy efficient transportation interests to evaluate a **statewide electric mobility entity**.
- SEEA also worked with electric mobility interests to develop a state education and engagement plan for Georgia.
- SEEA supported **National Drive Electric Week** in Georgia.
- SEEA provided programmatic recommendations for **Duke Energy's** Utility EV Proceedings in South Carolina.

Regional Intelligence

- In **Mississippi**, SEEA provided technical data and recommendations to utilities and advocates to challenge a proposed \$300 electric vehicle 'user' fee. The final fee passed was half that amount.
- SEEA provided strategic guidance to ACEEE on the agenda and format for its **National Convening of Utilities & Electric Vehicles**.
- In Florida, SEEA provided policy guidance to Advanced Energy Economy's **Florida Gubernatorial Platform**.
- In Tennessee, SEEA provided policy guidance and input into **Drive Electric Tennessee's** strategic plan.
- SEEA served on the Transportation Electrification Advocates Meeting 2019 planning team.

Stakeholder Advancement

- SEEA continues to grow its reputation in the energy efficient transportation space through direct outreach to utilities, convening advocates to share relevant policy information and educating decision makers.
- SEEA hosted three energy efficient transportation sessions at the 2018 SEEA Conference.
- SEEA engaged multiple charging companies, electric transportation utility staff, vehicle manufacturers and donors on energy efficient transportation at the inaugural **EPRI Electrification Conference**.
- SEEA welcomed our first electric vehicle charging infrastructure company, **SemaConnect**, to the SEEA Member program.

EMERGING INITIATIVES

As the region's source for energy efficiency intelligence and advancement, SEEA works to identify new approaches to positively affect economic prosperity, improve public health outcomes and support a clean, sustainable environment. In 2018, these included a new energy efficiency **investment fund** and ongoing research on **storm resilience**.



RESILIENCE PLANNING

In 2018, SEEA continued to develop its Resilience portfolio of work, publishing its first research paper, **Integrating Energy Efficiency into the Disaster Recovery Process**, which was presented at **ACEEE's Summer Study** in California and at the 2018 SEEA Conference in Atlanta.

SEEA continues to seek and cultivate new partnerships with organizations and agencies working in the disaster recovery space to build this body of expertise.

“

“Joining SEEA was an easy decision for SemaConnect. As a provider of smart, networked EV charging solutions, we were looking to raise our visibility with electric utilities and energy companies in the Southeast.”

”

Josh Cohen

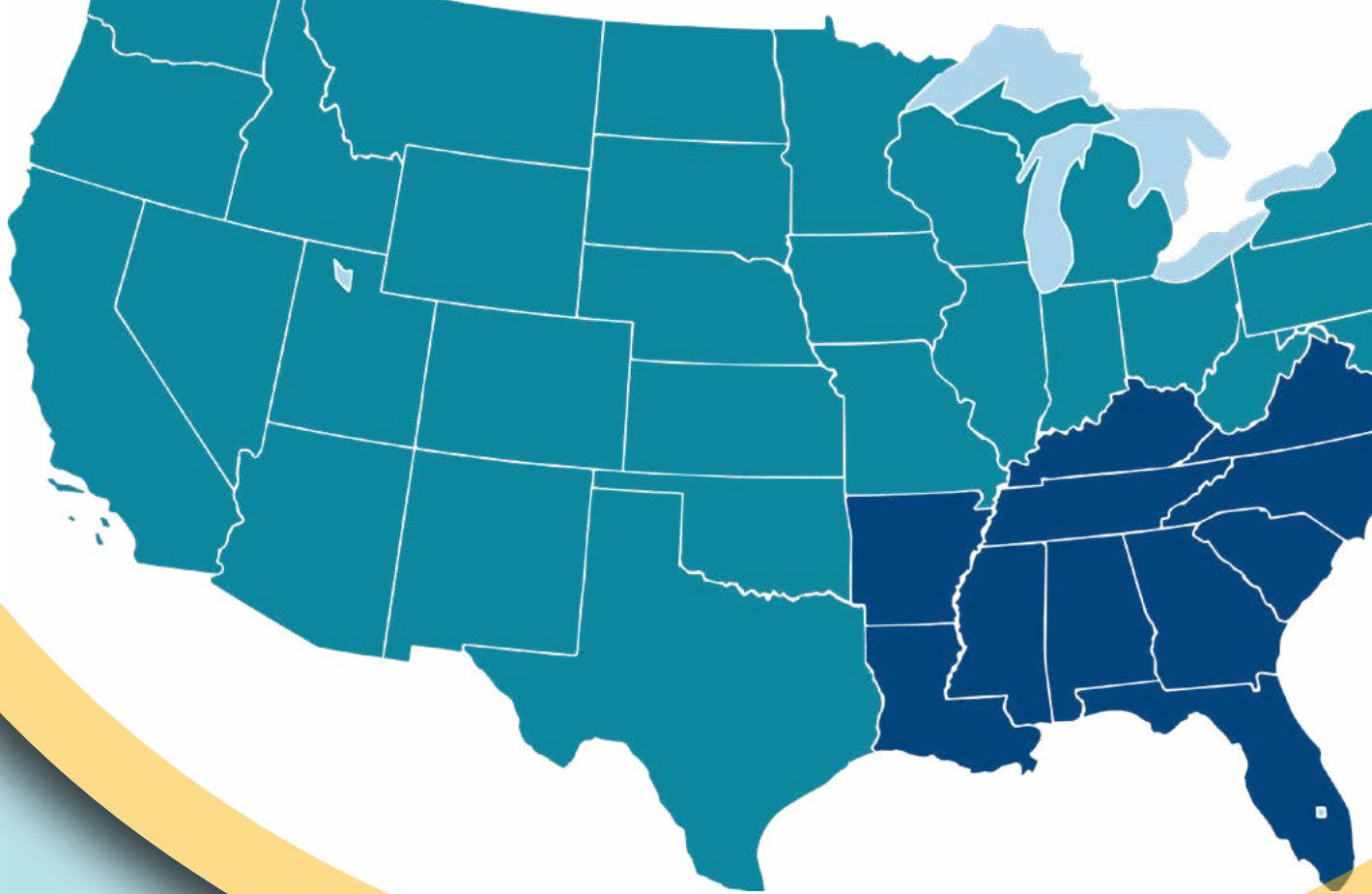
Director of Policy and Utility Programs
SemaConnect



SOUTHEAST ENERGY EFFICIENCY FUND

In 2018, SEEA issued a request for proposals (RFP) seeking new opportunities to advance innovative energy efficiency strategies through a **Southeast Energy Efficiency Fund**, a pool of legacy funds from SEEA's allocation under DOE's Energy Efficiency and Conservation Block Grant (EECBG) program. Out of 20 proposals, five were selected for funding based on their potential to deliver significant **energy efficiency gains**. Over the next year, SEEA will invest over \$500,000 in the following programs:

- Viridiant: Building Energy Code Training in **Virginia**
- City of Birmingham, **Alabama**: 100 Homes, 100 Days
- **North Carolina** Clean Energy Technology Center: NC Plug-In Electric Vehicle Roadmap
- Triangle J Council of Governments, **North Carolina**: Unifying Processes for Housing Assistance
- Broward County, **Florida**: Energy Efficiency Strategic Planning



ARIZONA

- NARUC Summer Policy Summit

CALIFORNIA

- ACEEE Summer Study, *Speaker*
- EPRI Electrification 2018

COLORADO

- Energy Foundation Meeting

ILLINOIS

- MEEA Conference, *Advisor*
- ASHRAE Winter Conference
- ASHRAE Committee Meetings

MARYLAND

- National Institutes of Health: Health in Buildings Roundtable

MICHIGAN

- The Network for Energy, Water and Health in Affordable Buildings (NEWHAB) Annual Convening
- Energy Efficiency for All (EEFA) Convening

MISSOURI

- National League of Cities Meeting

NEW YORK

- Grantee Planning Meeting: JPB Foundation, *Speaker*

OHIO

- Better Buildings Summit / Energy Exchange

PENNSYLVANIA

- National Building Institute's 2018 Getting to Zero National Forum
- Home Performance Conference
- NAACP: Centering Equity in the Sustainable Buildings Sector Initiative

RHODE ISLAND

- NEEP Summit

TEXAS

- SPEER Conference
- 2018 National Energy Codes Conference
- ICC Energy Code Roundtable
- CLEAResult Energy Forum

WASHINGTON, DC

- ACEEE Board Meeting Dinner
- DOE Meetings
- Collaborative High Performing Schools Board Meeting, *Board Member*
- NARUC Winter Policy Forum
- Buildings Technologies Office: Residential Building Integration Meeting
- SEPA Grid Summit
- NGA Energy Efficiency Experts Summit
- Southern Company Stakeholder Meeting

WEST VIRGINIA

- West Virginia Energy Summit



SEEA IN THE FIELD

ALABAMA

- Southern Conference on Homelessness and Housing, *Presenter*
- Alabama Automotive Environmental Conference

FLORIDA

- RESNET Building Performance Conference, *Presenter*
- AESP Southeast Regional Meeting, *President and Speaker*
- RCAP Implementation Workshop: Post-Disaster Redevelopment Planning
- Florida Building Commission Meetings
- Global Power & Energy Blockchain Conference
- Drive Electric Florida Strategic Planning Board Meeting, *Presenter*
- NARUC Annual Meeting

GEORGIA

- Georgia Power Program Planning
- Southern Company EV Stakeholder Forum
- Georgia Department of Community Affairs State Code Advisory Committee Meeting
- Georgia DCA Taskforce Meetings, *Member*
- Metro Atlanta Chamber
- AESP Conference, *Speaker*
- Diversity Symposium at Georgia Tech
- Georgia SMART
- Urban Transportation and Sustainability
- World Affairs Global Health Summit
- Just Energy Summit
- Atlanta Regional Housing Forum
- ACEEE Rural Energy Conference
- ARCHI Collaborative Forum
- Alliance for Transportation Electrification Executive Policy Committee Meeting, *Presenter*
- Advance Forum 2018, U.S. Environmental Protection Agency, Region 4, *Presenter*
- ConnectATL: The Future of Mobility Conference
- ACEEE National Convening on Utilities and Electric Vehicles
- Sustainability Seminar at Emory's Rollins School of Public Health, *Guest Lecturer*
- National Drive Electric Week Electric Vehicle Events, *Organizer*
- Tri-County EMC Electric Vehicle Demonstration Day, *Presenter*
- Georgia Electric Vehicle Advocates Convenings, *Organizer and Speaker*
- ACEEE Diversity Roundtable, *Presenter*
- Schneider Electric Innovation Summit
- Global Health Equity Summit

LOUISIANA

- AESP National, *AESP Southeast Chapter*

MISSISSIPPI

- Stakeholder Meetings and Program Cultivation, *Consultant*
- Mississippi Public Service Commission Meetings, *Advisor*
- Public Service Commission District Meetings

NORTH CAROLINA

- NCSEA Board Meeting, *Board Member*
- NC On-Bill Working Group Annual Planning Meeting, *Facilitator*
- EUCI Utilities 101
- Energy Foundation Rate Design Workshop, *Presenter*
- NCSEA Annual Member Meeting, *Board Member*
- NCSEA Racial Equity Workshop, *Board Member*
- NC EE Stakeholder Meeting, *Facilitator*

SOUTH CAROLINA

- SEARUC Gathering
- Carolinas Climate Resilience Conference

TENNESSEE

- TVA EEIX Meeting
- EUCI Demand Charges Conference
- Southeast Sustainability Directors Network
- Drive Electric Tennessee Roadmap Kickoff
- Drive Electric Tennessee Stakeholder Forum

VIRGINIA

- VA Energy Efficiency Council Meeting, *Board Member*
- Virginia Energy Plan
- VA EE Stakeholder Meeting, *Facilitator*

2018 SEEA EVENTS



2018 Energy Efficiency Day

October 5th marked the third national celebration of **#EEDay**, which recognizes the many benefits provided by energy efficiency to businesses, governments, communities and citizens. Almost 60 Energy Efficiency Day **proclamations were issued by cities, states, counties and universities** across the country, including a bipartisan proclamation by the **U.S. Senate**. Together, these represented a reach of more than 83 million Americans positively impacted by energy efficiency. In the Southeast, almost 20 proclamations recognized the local impacts of efficiency and included both large and small cities, universities and the state of **North Carolina**.



THE 2018 SEEA CONFERENCE

In 2018, the SEEA Conference focused on the fusion of multiple opportunities which together share a common foundation in energy efficiency. Some of the most unique sessions included **Diversity in the Energy Workplace**, the role of new technologies such as **blockchain** and **artificial intelligence**, a **GIS** training, and discussions around alternative vehicle transportation, public health and storm resilience.

Highly engaging keynote addresses by Kerry O'Neill of **Inclusive Prosperity Capital**, Suzanne Shelton of the **Shelton Group**, and Curtis Wynn of **Roanoke Electric Cooperative** brought new trends and ideas, new ways of doing business and compelling observations to the forefront as we collectively imagined the future of energy efficiency in the Southeast.



MEMBER NETWORKING EVENTS

SEEA networking events serve to connect groups of energy leaders and practitioners from across the Southeast to explore and discuss energy-related ideas and opportunities. In 2018, successful gatherings were held in Georgia – a **Smart Cities Luncheon** in partnership with SEEA Member **ICF** – and in California as part of the **EPRI Conference**. These helped set the stage for a significant new focus on SEEA events throughout the southeast region in 2019.

SEEA RESOURCES

Each year, SEEA develops a series of energy efficiency resources that include reports, webinars, policy highlights, and a **searchable tool with energy codes by state**. Access to SEEA's 2018 resources is available on the SEEA website at SEEAAlliance.org/resource-center/





Significant recognition is due to SEEA for its great work as the region's energy efficiency convener! Its top-notch staff consistently excels at raising important questions, inspiring collaboration, and offering innovative approaches to problem-solving, all of which is vital to advancing energy efficiency in the Southeast.



Tammy Agard
Co-Founder/Principal
EEtility

2018 SEEA MEMBERS

ENERGY PRODUCTS AND SERVICES

- A.O. Smith
- Advanced Energy
- Alternative Energy Systems Consulting
- APTIM
- Bidgely
- CLEAResult
- Covestro
- Cox Enterprises
- CREE
- ecobee
- Energy Solutions
- Facility Solutions Group
- Franklin Energy Group
- GDS Associate
- Honeywell
- ICF
- ILLUME
- Itron
- Lockheed Martin
- Lone Starling Consulting
- Milepost Consulting
- NAIMA
- Nest
- Nexant
- Opinion Dynamics
- Oracle
- Pearl Home Certification
- PIMA
- SemaConnect
- Seventhwave
- Signify (Philips Lighting)
- Silvercote Lamination
- Smith, Gambrell and Russell, LLP
- Southface
- Sustainability Consultants, LLC
- Trusted Counsel
- The Weidt Group
- Vermont Energy Investment Corporation
- Vertaeon

GOVERNMENT / ACADEMIA / NGO

- Agnes Scott College
- ACEEE
- Arkansas Advanced Energy Association
- Arkansas Department of Environmental Quality
- Clean Cities Atlanta
- Foundation for the Mid-South
- Florida Department of Agriculture and Consumer Services
- Georgia Institute of Technology
- Georgia Environmental Finance Authority
- Southern Alliance for Clean Energy
- UNC Environmental Finance Center
- Virginia Department of Mines, Minerals and Energy
- Virginia Energy Efficiency Council
- West Virginia Office of Energy
- Xavier University

UTILITIES

- Alabama Power
- CenterPoint Energy
- Cleco
- Dominion Power
- Duke Energy
- The Electric Cooperatives of South Carolina
- Entergy Corporation
- Georgia Power
- Huntsville Utilities
- Jackson EMC
- Mississippi Power Company
- Orlando Utilities Commission
- Santee Cooper
- SCE&G
- Southern Company
- Tennessee Valley Authority

SEEA'S MISSION:

SEEA works to ensure people in the Southeast have the knowledge, resources and opportunities to optimize energy use.

SEEA'S VISION:

Energy efficiency is a primary driver of a prosperous, healthy and sustainable Southeast.

SEEA'S VALUES:

- Trust
- Leadership
- Collaboration

SEEA MEMBERSHIP

SEEA Members represent a respected network of industry leaders who are committed to the region's long-term economic well-being through effective energy policy, research and education, market-proven products and services, and the application of energy efficiency best practices across the residential, commercial and industrial landscapes.

MEMBERSHIP BENEFITS INCLUDE:

- Access to energy efficiency news, briefings, reports, resources and business opportunities;
- A one-on-one briefing with SEEA Work Area experts in Policy, the Built Environment, Energy Efficiency Finance and Energy Efficient Transportation
- Public recognition of member support on SEEA's websites and social media platforms;
- The opportunity to nominate, or serve, as a SEEA Board or Advisory Committee Member;
- Access to educational programs like the Building Operators Certificate program*;
- Opportunities to participate in SEEA events, workshops, convenings, and the annual SEEA Conference as a speaker, sponsor or advisor;
- Access to valuable business contacts and partners from across the region, and the U.S.;
- Access to a team of speakers for your Town Hall or event;
- The opportunity to claim a corporate tax deduction for your SEEA membership.

*in certain states only

SOCIAL MEDIA



linkedin.com/company/southeast-energy-efficiency-alliance/



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facebook.com/SEEAAlliance/



2018 BOARD OF DIRECTORS

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Sustainability Consultants, LLC

John Silkey

SEEA Board Vice Chair,
Lone Starling Consulting

R. Neal Elliott

SEEA Board Treasurer,
American Council for an Energy-Efficient Economy

Rosa Cassidy

SEEA Board Secretary,
Lockheed Martin Energy

Ivy Allen

Foundation for the Mid South

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Georgia Power

Mike Smith

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U.S. Department of Energy



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