

A NOTE FROM THE NCSEA TEAM:

In the following pages, you will read how North Carolina Sustainable Energy Association (NCSEA) used our core tenants of Inform, Connect, Advocate, and Advance to move us toward a robust clean energy economy that unifies and benefits all its stakeholders: consumers, business, the clean energy industry, and utility energy providers. By no means are we in this alone. NCSEA owes inexpressible gratitude to the members, partners, and funders who have enabled us to work with them to make demonstrable impacts possible in every county and legislative district of our state.

NCSEA turned 40 years old in 2018, and in many ways it was one of the most transformational years NCSEA has ever had.

While working toward our mission of driving policy and market development to create clean energy jobs, economic opportunities, and affordable energy that benefits all of North Carolina, we saw the results of many years of incremental change come to fruition. At the same time, we came into full awareness of the imperative that we must see a large-scale, systemic overhaul of the utility business model in our state if clean energy is to truly reach its full potential.

Despite the barriers caused by an outdated electric utility model, the clean energy economy in North Carolina reached some incredible milestones. The clean energy industry now represents over \$14 BILLION in annual revenue and employs over 40,000 people in North Carolina. 2018 saw the results of momentum that had been building for several years—32 percent of cumulative clean energy investment over the last 12 years occurred in 2017 and 2018. And, through 2018, all but 18 North Carolina counties had experienced clean energy project investments of over \$1 million, with several experiencing investments of \$100s of millions.

Moving forward, we are committed to meeting people where they are, while continuing to use the incredible experience of our partners and members to demonstrate how a clean energy economy can unleash growth, innovation, and opportunity for all North Carolinians.

Thank you for joining us on this journey. We look forward to seeing how far we go together.



43.238 JOBS

in North Carolina's clean energy industry.

Clean energy brought North
Carolina \$14 BILLION IN
REVENUE in 2018.

133 PERCENT INCREASE FROM 2016

12 percent of all electricity generated in North Carolina in 2018 came from clean sources.

24 PERCENT INCREASE FROM 2017

Over the course of 2018, NCSEA sent over 42 newsletters with an average open rate of 26 percent.



With our partners, we prevented Duke Energy

from securing a 50 percent rate increase over the next 10 years.

NCSEA held 23 member calls to discuss some of the most important issues impacting clean energy in North Carolina.



We worked with members to create the Solar Business Code of Conduct.

We hosted SEVEN events throughout the year.

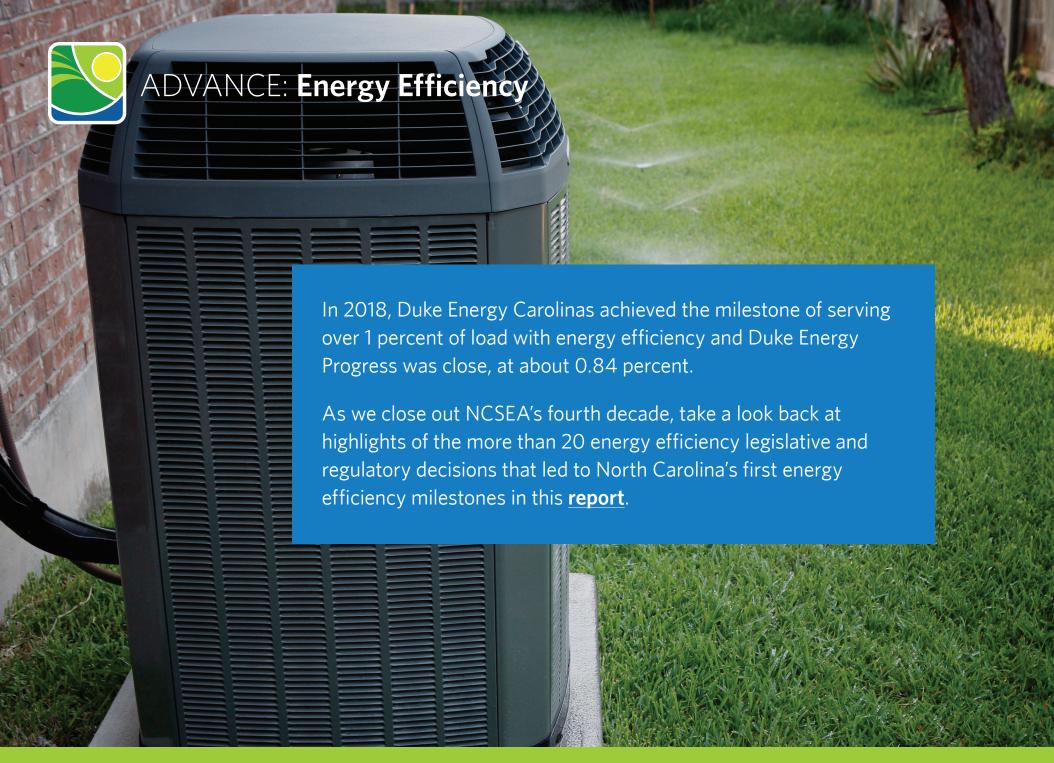
Solar PV registrations reached their highest levels EVER in the fourth quarter of 2018.













In 2018, we laid the groundwork to help North Carolina achieve the goals set out by Governor Cooper's Executive Order #80. For example, we now know that for us to achieve the Governor's 80,000 zero-emission vehicle (ZEV) goal by 2025, there needs to be a ZEV registration rate of 7.00 registrations per 1,000 people. Though this almost 650 percent increase may seem daunting, we know that the clearest path to achieving a goal is to know the full picture. We know what we are working toward, and we will spend the next several years advocating for the right combination of policies and incentives to help us get there.









The NCSEA team, along with our Energy Landscape Committee—a group of 25 members and partners from across three areas of our clean energy system—convened numerous times over the course of 2018 to dialogue on a path forward. We owe immense gratitude to the thought leadership and work of our Energy Landscape Committee. Without their leadership and contributions, our Vision Program principles would be incomplete.

These principles, which will guide the Vision Program beyond 2018, include:

- Urgently establish an energy system that enables a healthy and sustainable environment and quality of life for current and future generations;
- Ensure that energy efficiency, as a resource, is firmly established as the low-cost, high-return and first step in addressing current and future energy needs;
- North Carolina's energy system should be sufficiently flexible to accommodate evolving energy trends, technologies, and practices;
- Ensure North Carolina's energy system planning is transparent, comprehensive, and integrated;
- Citizens and stakeholders have a voice and influence over energy decisions;
- Ensure clean energy is accessible and affordable for all North Carolinians; and
- Ensure North Carolina's energy economy promotes economic prosperity for all.



A resilient, reliable, and affordable clean energy economy for *all* North Carolinians will not be achieved with a one-size-fits-all plan. NCSEA took our commitment to a more equitable, diverse, and inclusive clean energy system to the next level in 2018 by engaging in critical conversations about the ways in which the energy community is party to structural systems of inequity.

Our Vision Program aims to address these issues, but we did even more: we supported utility business model innovation that will break down barriers and increase access to energy efficiency and clean energy over the long term.

We contributed to a Department of Energy project called Powering Energy Efficiency and Impacts Framework (PEEIF), which enhances the efficiency of energy services provided to low-income households in Northeastern North Carolina. We dialogued with partners to consider if (and how) certain clean energy technologies were just solutions. We began working with Historically Black Colleges and Universities (HBCUs) in North Carolina to expand and diversify our reach.



ADVANCE: Equity, Diversity, and Inclusiveness

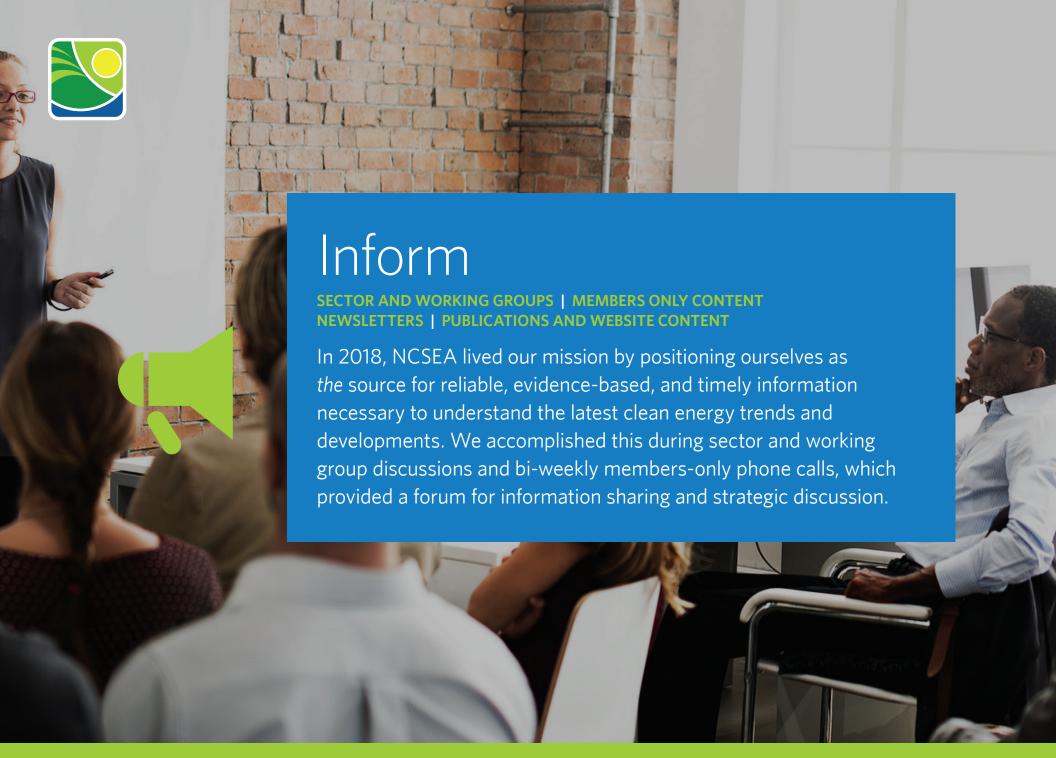
We stood up our Energy Solutions Reserve Fund (ESRF), to ease the disproportionately high cost of energy in the most disadvantaged areas of our state. Utilities enrolled in our ESRF receive marketing, and data analytic services and support for home energy audits provided to utility customers.

Internally, our whole team joined the commitment to an equitable clean energy future.

In the fall, the entire NCSEA team engaged in an intensive two-day racial equity training, where we opened ourselves up to the realities of structural racism and learned how to apply a racial equity lens to our daily work.

We created an Equity, Diversity, and Inclusiveness Program, with a program manager and representatives from each NCSEA core team to lead the organization's work.

If before, NCSEA had just dipped our foot in the water of equity, diversity, and inclusiveness work, in 2018 we dove head first into the water, hoping to lead by example and partner with others to learn by doing and grow as a community.





INFORM: Sector and Working Groups

Convening key players in our clean energy landscape was key to NCSEA's success in 2018. While unique in practice and implementation, both NCSEA sector groups and working groups included collaborative dialogues to address strategies for success and removing barriers to each sector's development in North Carolina.

THE SECTOR AND WORKING GROUPS WE CONVENED IN 2018 INCLUDE:











Biogas

Electric Vehicles (EV)

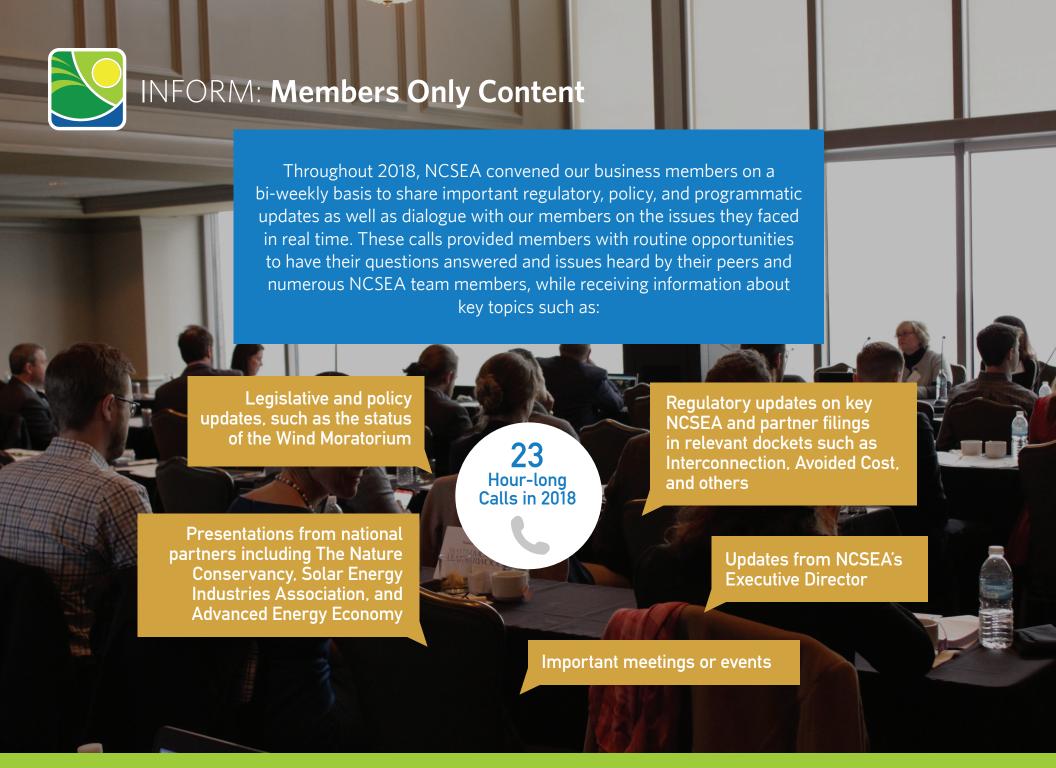
Energy

Local & Solar

Residential/ Storage Government Commercial Solar

Utility-Scale Solar

NCSEA convened each sector group and working group at least twice over the course of 2018, with some groups, such as the Energy Storage Working Group, coming together five times to ensure that the Energy Storage Study was completed by NC State University and UNC Policy Collaboratory fully and on time. The study, Energy Storage Options for North Carolina, was released to the public on December 1, 2018, and the Energy Storage Working Group spent the end of 2018 discussing the urgent opportunity for energy storage before us and planning for 2019.







INFORM: Newsletters

Over the course of 2018, **NCSEA** sent over **42** newsletters to our subscribers with just under half of these newsletters reaching over 4,000 people! Even with such a large audience, our newsletters consistently achieve higher-than-average open rates for non-profit organizations, with an average open rate of **26** percent (7 percent over the national average)!

We shared timely topics in Clean Energy Insights such as of-the-moment updates regarding HB 589 program implementation; promoted new members and shared how clean energy impacts the daily life of North Carolinians in Clean Energy Storyteller; advertised NCSEA and partner events where the people of our community could come together to connect and learn in Clean Energy Events Radar; and shared the latest legislative updates from the General Assembly in Clean Energy Policy Update.

Through our newsletters, we were able tell the story of clean energy in 2018. We fought for our friends and fellow consumers in the Duke Energy Carolinas Rate Case. We shared your frustration when the Solar Rebates Program was delayed, and then sold out in just 17 days. We celebrated all that can be achieved, and all that there is left to do, after the Governor issued Executive Order #80. We welcomed new members and acknowledged those returning to us for another year.

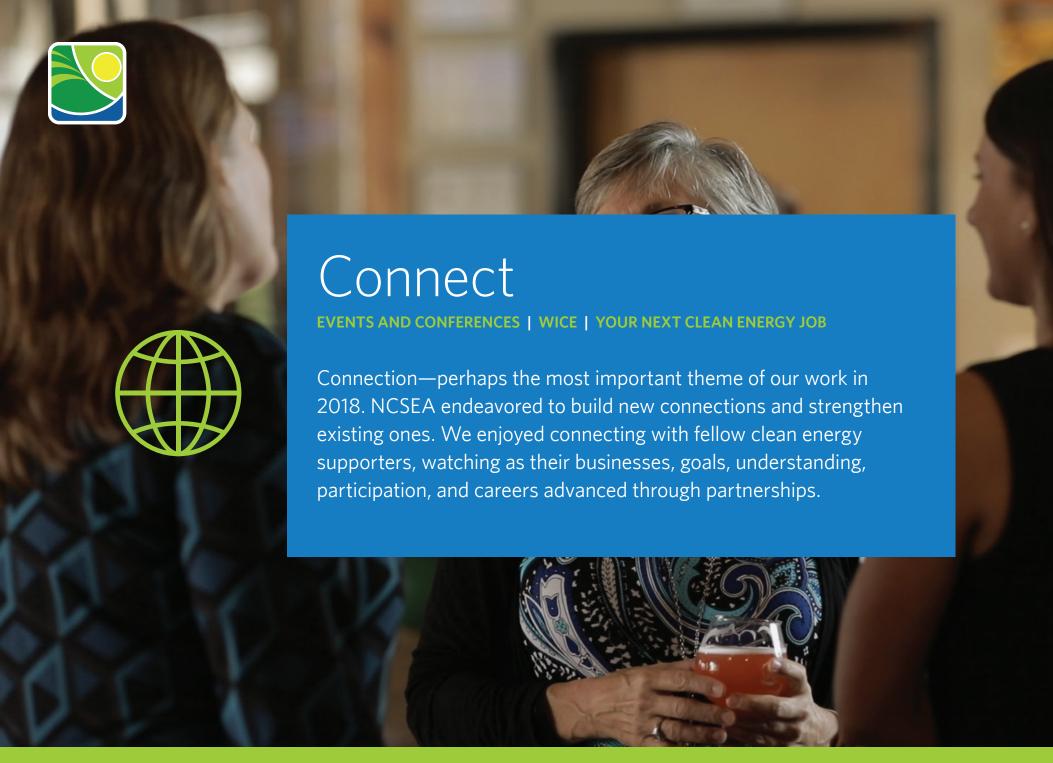




INFORM: Publications and Website Content

135,694 page views In 2018, we released the Consumer Adopter Survey—helping us to better understand what draws North Carolinians to adopt clean energy. And, after a complete website overhaul in 2017, we saw our hard work come to fruition in 2018. Our website had over 135,000 page views, with our "What is Clean Energy" and "Maps" pages ranking high among the most visited on the website. In 2018, we created a map where visitors to our website could view, download, and share the types and locations of energy storage facilities in the entire Southeastern United States.

We are proud to provide website visitors the opportunity to interact with our data and to connect with clean energy in their community on their own terms—so they come to see how clean energy is for them, too.







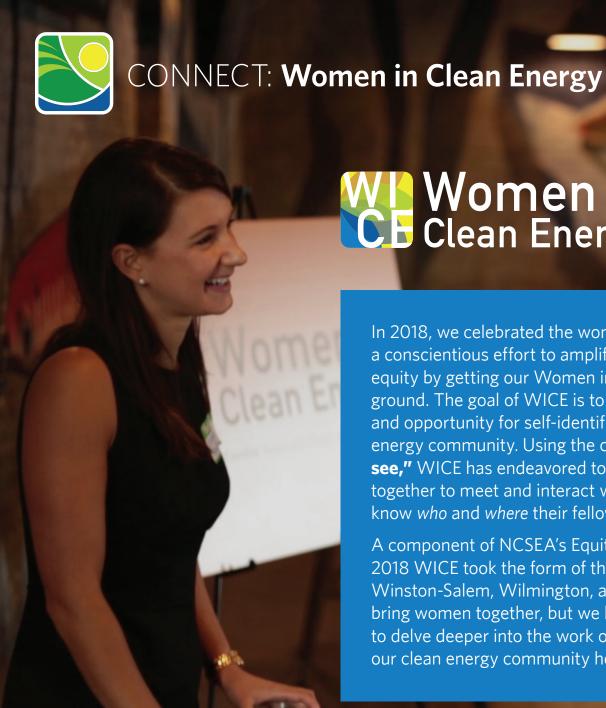
CONNECT: Events and Conferences

Our people are our strongest voice, and we worked diligently throughout the year to ensure that you were in front of key audiences—leading discussions, guiding policy decisions, and sharing your expertise. Over the course of 2018, NCSEA helped place our members and partners at numerous events all over the country so that North Carolina's interests were always considered and promoted.

There were numerous opportunities to connect with the clean energy community right here in North Carolina at NCSEA hosted events, as well.

Throughout the year, we hosted seven events, of all varieties, that provided our community with an opportunity to come together and connect.

- We learned about clean energy law in the Southeast at our Continuing Legal Education (CLE) Course;
- We celebrated **(three times!)** the women in our clean energy community at our Women in Clean Energy networking events in Winston-Salem, Wilmington, and Charlotte;
- We shared a beer and a baseball game with our closest friends and champions at our Friends and Family Night at Durham Bulls Athletic Park;
- We brought our members together to review the successes of the last year and the work that's still to do in the years to come at our Annual Member Meeting; and
- We celebrated the joy of the holiday season and a year of triumph, challenge, and opportunity with our entire community at our Jingle & Mingle Holiday Party.



WI Women in CE Clean Energy

In 2018, we celebrated the women of our clean energy industry and made a conscientious effort to amplify the voices of women and support gender equity by getting our Women in Clean Energy (WICE) project off the ground. The goal of WICE is to foster a network of support, camaraderie, and opportunity for self-identifying women in the North Carolina clean energy community. Using the concept of "we cannot be what we cannot **see,"** WICE has endeavored to bring women in the clean energy system together to meet and interact with other women in the sector, so that they know who and where their fellow women are in this space.

A component of NCSEA's Equity, Diversity, and Inclusiveness Initiative, in 2018 WICE took the form of three networking events across the state: in Winston-Salem, Wilmington, and Charlotte. In 2019, WICE will continue to bring women together, but we look forward to using WICE as a mechanism to delve deeper into the work of addressing systemic inequities at play in our clean energy community here in North Carolina.



CONNECT: Connecting You to Your Next Clean Energy Job







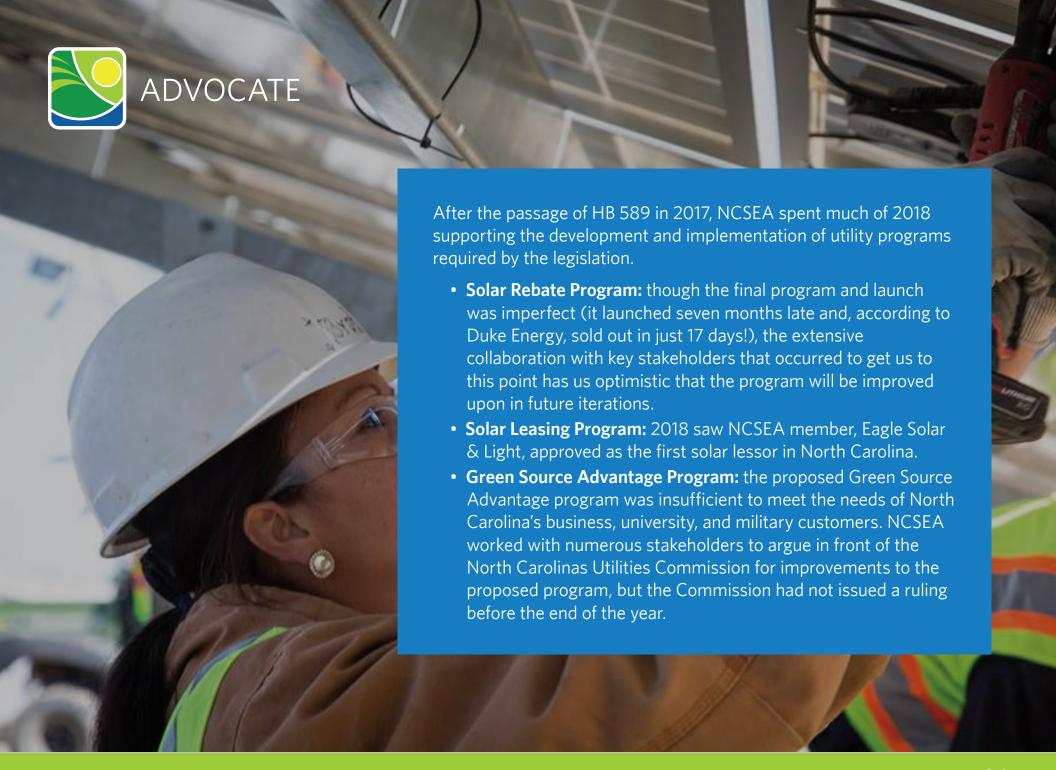
43,238 CLEAN ENERGY JOBS Employment in clean energy is thriving, with 43,238 jobs in the clean energy industry in North Carolina. We are working hard to increase this number, and spent the year connecting the next generation of clean energy professionals with leading jobs in the industry. It appears to be working—the Career Center on our website was the top-visited page across our entire website! In 2018, we employed nine interns from across four North Carolina universities to help develop the future of the clean energy workforce.

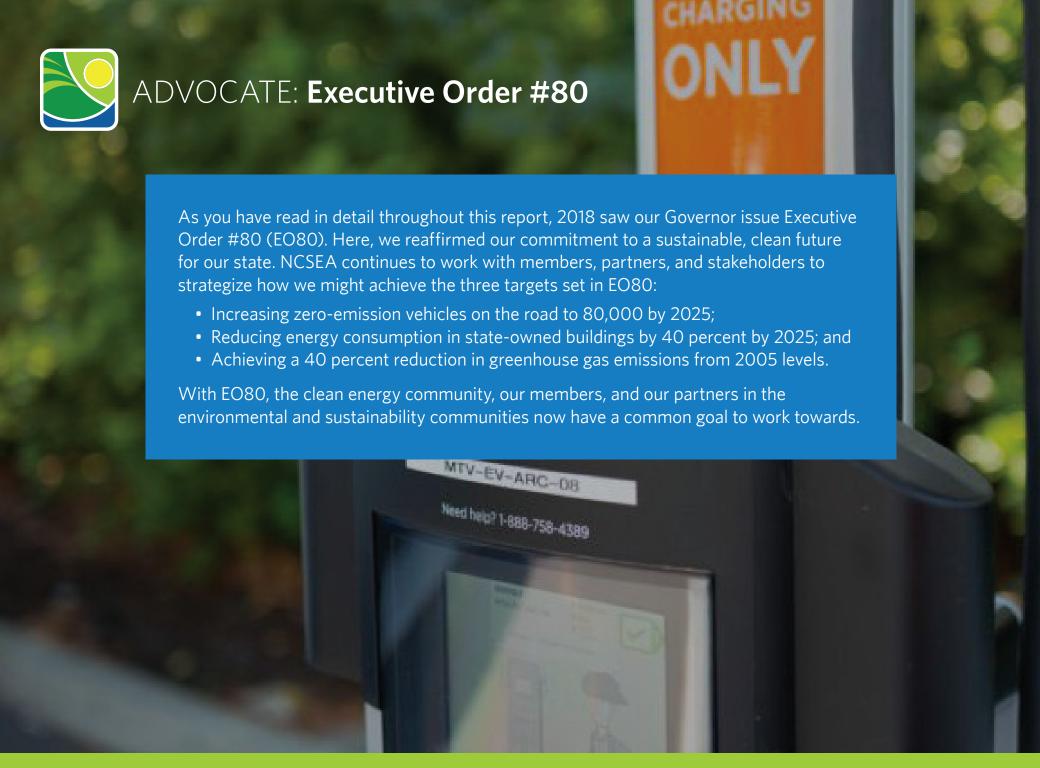
We understand the role of students as the future leaders of North Carolina's energy system—their passion, drive, and initiative—and invested ourselves in building relationships with these future leaders, and their schools. We provided guest lectures and assisted with university certificate and program delivery at numerous North Carolina institutions including: North Carolina State University, Appalachian State University, North Carolina Central University, and Duke University. And, as in previous years, we sponsored the Appalachian State University Energy Student Summit and served as mentors during the University of North Carolina at Chapel Hill Clean Tech Summit.

Advocate

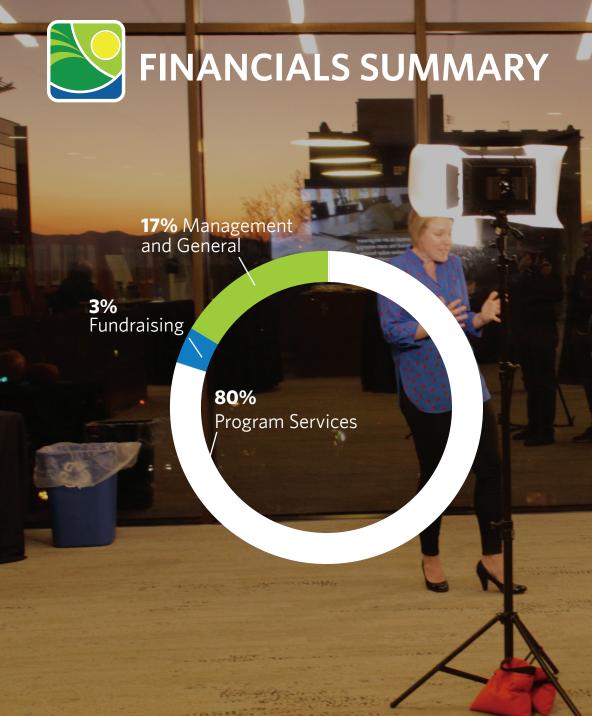
In 2018, NCSEA continued to engage in the important work of advocating for smart public policies that consider the diverse needs of North Carolina consumers and support the growth of our state's clean energy economy.

We fought tirelessly to protect the interests of North Carolina energy consumers and businesses by engaging with partners and other important stakeholders to **prevent Duke Energy from securing a 50 percent rate increase over the next ten years**. During this process, Duke Energy publicly recognized the importance of energy storage, electric vehicle charging stations, consumer access to energy use data, and a long-term integrated resource planning process that provides for clean energy resources. In 2019 and beyond, NCSEA will continue working to ensure that Duke Energy is doing all they can to deploy these clean energy resources in our state.









REVENUE AND SUPPORT	
Grants	\$598,000.00
Direct Public Support	\$1,134,821.00
Indirect Public Support	\$330,853.00
Sponsorship	\$15,875.00
Membership	\$129,606.00
Program Income	\$114,295.00
Interest Income	\$3,274.00
MISC Income	\$371.00
Total Revenue	\$2,327,095.00

EXPENSES	
Management and General	\$410,840.00
Fundraising	\$68,366.00
Program Services	\$1,822,673.00
TOTAL	\$2,301,879.00
Net Assets - Beginning of Year	\$1,413,463.00
Net Assets - End of Year	\$1,438,679.00
Change in Net Assets	\$25,216.00

