

2021 Energy Innovation Showcase

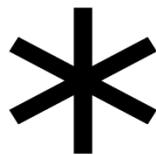
Participating Organizations



Pine Gate Renewables

Pine Gate Renewables is a leading renewable energy company focused on project development and strategic financing of utility-scale solar and storage sites throughout the United States. We work with energy buyers, corporations, utilities, local communities and capital partners to provide clean energy to the grid. We build all our projects through a strategic partnership with Blue Ridge Power, which provides expertise in engineering, procurement and construction.

Learn more: <https://pinate Renewables.com/>

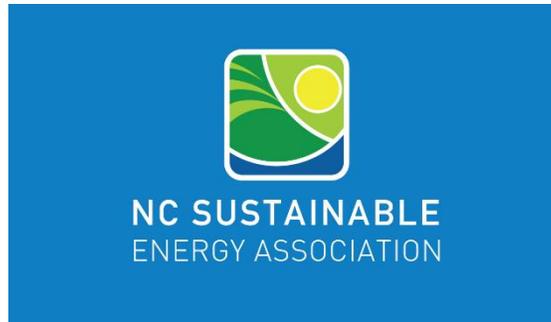


ARRIVAL

Arrival

Using a revolutionary new method of design, we create electric vehicles that elevate the everyday, empower local communities and unlock true sustainability. This is how we create radical impact.

Learn more: <https://arrival.com/us/en>



NC Sustainable Energy Association

The NC Sustainable Energy Association is a leading organization of individuals, businesses, government, and nonprofits interested in North Carolina's sustainable energy future.

Learn more: <https://energync.org/>



The Hive Fund

The Hive Fund for Climate and Gender Justice raises funds and makes grants to organizations that have historically lacked access to funding and are essential to making progress in addressing intersecting climate, gender, and racial justice crises in the U.S. We support groups advocating for strong policies, building social movements to intensify public demand for change, facilitating civic engagement to build political power and hold decision-makers accountable, and conducting creative communications efforts to move hearts, minds, and imaginations.

The Hive Fund supports grantee partners with significant amounts of multi-year general support and trust in their expertise. A majority of Hive funding is awarded to groups in the South, where pollution levels are higher and philanthropic funding levels are lower than elsewhere in the country.

Learn more: <https://www.hivefund.org/>



NC Business Council

The North Carolina Business Council is a statewide coalition of businesses and business partners who have a passion for creating purpose-driven businesses. Founded in 2014, its membership represents businesses from a wide range of industries. We believe that together businesses have the power to influence business policies today that ensure long-term profitability, protect the environment, and sustain communities.

Learn more: <https://www.ncbusinesscouncil.org/>

8 RIVERS

8 Rivers

8 Rivers is developing the sustainable infrastructure of tomorrow by inventing and commercializing large-scale innovations in future-critical areas.

Learn more: <https://8rivers.com/news/>



Good Solar

Good Solar is committed to developing renewable energy solutions for the benefit of nonprofit organizations, environmental justice communities, and socioeconomically disadvantaged areas. By developing and maintaining strategic partnerships with key organizations and community members, Good Solar works to match funding with need, helping to address the issues of energy poverty and community resiliency. As Good Solar continues to grow, we are committed to training and hiring our workforce from the same communities we serve. By meeting our community partners where they are, Good Solar works to build capacities and generate powerful connections wherever it may go.

Learn more: <https://goodsolarusa.org/>



Duke Smart Homes

The Duke Smart Home is a unique research and educational program demonstrating energy efficient and sustainable living in Durham, North Carolina. This 6,000 square foot student living and research space is also: Home to the student-run Smart Home Club. A community resource for demonstrating sustainable building techniques. The Smart Home is operated by the Duke University Pratt School of Engineering.

Learn more: <https://smarhome.duke.edu/>



Partner Community Capital

At Partner Community Capital (PCAP), we help small businesses get the capital and other resources they need but can't access. We deliver flexible, affordable loans to borrowers in underserved communities. And, we connect clients to strategic advisory services so they can make the best use of our capital.

Learn more: <https://partnercap.org/#elementor-action%3Aaction%3Dpopup%3Aopen%26settings%3DeyJpZCI6IjUxMyIsInRvZ2dsZSI6ZmFsc2V9>



Piedmont Lithium

Piedmont Lithium is developing a world-class integrated lithium business in the United States, enabling the transition to a net zero world and the creation of a clean energy economy in America. Our location in the renowned Carolina Tin Spodumene Belt of North Carolina, the cradle of the lithium industry, positions us to be one of the world's lowest cost producers of lithium hydroxide, and the most strategically located to serve the fast-growing US electric vehicle supply chain. The unique geographic proximity of our resources, production operations and prospective customers, places us on the path to be the most sustainable provider of lithium hydroxide in the world and should allow Piedmont to play a pivotal role in supporting America's move to the electrification of transportation and energy storage.

Learn more: <https://piedmontlithium.com/>



Windlift

Windlift's mission is to produce energy for a sustainable civilization. We strongly believe that this is the defining challenge of our time. To meet this challenge, we are designing and building airborne power generators that use 95% less material than a comparable wind turbine. This is a big deal and it's hard. Windlift has been working on this technology for over 10 years, and we now have line of sight to completing technical development and bringing an airborne wind energy product to the world.

Windlift is based in Raleigh, North Carolina. Our team of visionaries, quants, and gearheads is currently developing the next generation of airborne wind energy solutions.

Learn more: <https://windlift.com/>



FlexGen

As the second-largest U.S. energy storage technology company, FlexGen designs and integrates storage solutions and the software platform that is enabling today's energy transition. Leveraging its best-in-class energy management software and power electronics, FlexGen delivers utility-scale storage projects integrated with traditional and renewable power generation globally. Our clients and partners include the most technically and commercially demanding developers, utilities, government agencies and industrial companies in the world.

Learn more: <https://flexgen.com/>



EnMass Energy

EnMass Energy brings together technology, infrastructure, and expertise to deliver real-time communication, oversight, and excellent fuel procurement and project operation experience for Waste-to-Energy projects.

Learn more: <https://www.enmassenergy.com/>



Leyline Renewable Capital

Leyline provides development-stage capital for promising renewable energy ventures – leveraging millions in crucial early investments to propel game-changing projects worth billions. In recognition of Leyline's innovative business model and impact, the company was named the 2020 Clean Energy Innovator of the Year by the North Carolina Sustainable Energy Association. We are mission-driven to mitigate climate change effects, and select projects with a strong GHG reduction potential, while keeping in mind Diversity, Inclusion, and Equity across the renewable energy sector.

Learn more: <https://leylinecapital.com/>



Susteon

Innovation holds the key to tackling climate change. We have made it our mission to develop and deploy net zero innovations for sustainable hydrogen production and carbon mitigation. Bringing together over 100 years of experience in technology development and commercialization in the energy and chemical sectors, our leading team of scientists, project practitioners and financial experts are bridging the gap between academia and industry to create a sustainable future.

Learn more: <https://susteon.com/>



The Nature Conservancy North Carolina Chapter

The Nature Conservancy is a global conservation organization dedicated to conserving the lands and waters on which all life depends. Guided by science, we create innovative, on-the-ground solutions to our world's toughest challenges so that nature and people can thrive together. We are tackling climate change, conserving lands, waters and oceans at unprecedented scale, and helping make cities more sustainable.

Learn more: <https://www.nature.org/en-us/about-us/where-we-work/united-states/north-carolina/>



GOleafe

GOleafe is innovating low-cost, eco-friendly graphene based solutions to solve the world's most pressing energy and water crises.

Using organic materials and non-energy intensive equipment, GOleafe produces graphene, the world's strongest, thinnest and most conductive material, through an innovative, 10x more cost efficient and eco-friendly process (patented), from an array of readily available source materials, such as hay, sugar, wood chips, and waste materials. We have gone one step further and engineered several different graphene derivatives in order to develop graphene-based product applications, including water filtration and energy storage technologies currently in the pilot and R&D stages, respectively.

Learn more: <https://www.indiegogo.com/projects/go-leaf#/>

Check back for more organizations to be announced...