

Sustainability in Charleston

ELECTRIC VEHICLES

- Charleston Area Transportation Authority (CARTA) transitioning fleet to **battery-electric vehicles**
- Dominion Energy and Duke Energy partnering with other utilities to ensure access to **seamless network of EV charging stations** along major U.S. highways
- **North Charleston facility key to Mercedes-Benz Vans electrification strategy**, producing eSprinter van in mid-2023
- Volvo Cars will build all electric and hybrid models, plans to be **all electric by 2030**
 - Charleston facility will build battery engines by 2024 & produce premium electric SUV, **Polestar 3**
- **South Carolina offers EV Utility Cost Recovery** for programs and resources related to distributed energy resources and load management technologies, including EV charging
- Area municipalities are working with utility partners to add electric vehicle charging stations
 - City of Charleston, City of Goose Creek, City of North Charleston, Town of Mount Pleasant, Town of Summerville

ENERGY

Boeing South Carolina

- North Charleston facilities run on **100% renewable energy** and are zero waste-to-landfill
- **10 acres of thin film laminate solar panels** are installed on the Final Assembly Building Roof
- Committed to developing commercial jets capable of flying on **100% sustainable fuels by 2030**

Clemson University Campus in North Charleston

- **Dominion Energy Innovation Center** houses the Duke Energy eGRID (an electrical grid simulator) and world's most-advanced wind-turbine drivetrain testing facility
- Linked labs allow researchers to work on widening the use of renewable wind and solar power energy

GreenGasUSA

- **Provides renewable and natural gas** to individuals and companies that aspire to sustainability

SUSTAIN SC

Connecting the sustainability goals of business in South Carolina with local natural resource solutions for the benefit of our economy, environment, and people.
Offers a Corporate Membership Network.

CLIMATE SOLUTIONS

Boeing South Carolina

- Certified by the Wildlife Habitat Council for its [wetland mitigation plan](#)
- Partnered with federal, state and local agencies and conservation organizations to [preserve 4,000 acres near the Francis Marion National Forest](#)

Robert Bosch Charleston

- [Carbon neutral since 2020](#)
- Aims to help suppliers and customers [reduce carbon emissions by 15% by 2030](#)

Dutch Dialogues

- Partnership between the City of Charleston, Historic Charleston Foundation, and Netherlands government to [address sea level rise and plan for the future](#)

Google SC

- Founding partner of [Sustain SC](#), an economic development-driven organization that sets the table for conversations between businesses and local stakeholders
- Provided research grants to the [Belle W. Baruch Foundation](#) to support and expand current groundwater resource research in the Lowcountry
- [Palmetto Green](#) will prepare a feasibility study to identify opportunities for the use of an emerging technology, Continuous Monitoring and Adaptive Control (CMAC), in the Lowcountry
- [Carbon neutral since 2007](#); in 2017, became the first company of its size to match 100% of its global, annual electricity consumption with renewable energy

South Carolina Ports Authority

- Striving to be the [greenest port in the Southeast](#)
- Restored 22 acres of salt marsh, [preserved 3,000 acres since 2016](#)
- [Reduced port-related air emissions](#), investing in a new fleet of hybrid cranes that run 100% on electric battery power

KEY RESOURCES & INITIATIVES

[SC Recycling Markets Directory](#)

[The Sustainability Institute](#)

[City of Charleston's Office of Resiliency and Sustainability](#)

[CORE SC](#)

[Santee Cooper: Lean & Green Power Supply](#)

[Berkeley Electric Cooperative Green Power](#)

