

# Big Moves

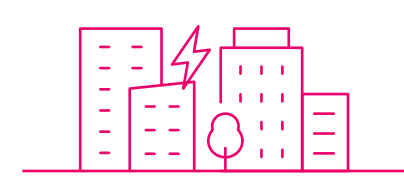
## of the Charleston County's CAP



### Big Move

### N° Action

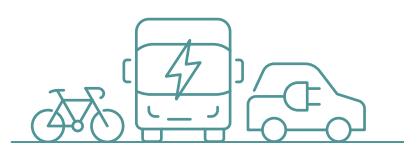
# 1



## Affordable and Resilient Buildings

- 1 Consider a net-zero design for all new municipal buildings and assess its financial value over the lifetime of the building.
- 2 Develop a high-performance building performance standard (BPS) for new residential and commercial buildings for developers and owners to consider.
- 3 Explore zoning incentives for any housing type that is net zero emissions, with additional bonuses for net-zero, affordable housing projects.
- 4 Consider incorporating low-carbon considerations into planning approvals, where feasible.
- 5 Encourage developers with incentives or other measures to prioritize heat pumps, heat pump hot water tanks, and induction cooking for new developments to ensure affordability.
- 6 Advocate for the State to update its building code to enhance energy performance and ensure safe buildings.
- 7 Support educational sessions for builders on net-zero design principles and funding opportunities.
- 8 Undertake energy audits for existing municipal buildings and where there is a lifecycle business case, implement deep retrofits.
- 9 Initiate voluntary energy use disclosure and benchmarking for large non-residential and multi-family buildings.
- 10 Initiate a Home Energy Score program with appropriate partners, including utilities.
- 11 Refer homeowners to, and support the expansion of Sustainability Institute's weatherization project for low-income households.
- 12 Share information on incentives and technical resources to encourage residents, especially low-income households, to purchase and install heat pumps and highly efficient appliances.
- 13 Identify systemic barriers and opportunities to scale-up rooftop solar photovoltaic installations in Charleston County with appropriate partners.
- 14 Advocate for the State to enable and activate residential and commercial PACE programs in South Carolina.
- 15 Initiate a pre-approved contractors program, include training and a public registry.
- 16 Support new or existing programs for business owners to retrofit older commercial buildings.
- 17 Facilitate a concierge service for Inflation Reduction Act (IRA) funding with the objective to maximize IRA investments in Charleston County.
- 18 Partner with organizations to offer energy savings workshops for residents and businesses.

# 2



## Sustainable and Inclusive Transportation

- 19 In accordance with established procedures, assess options for revising existing and new zoning codes to advance mixed-use, pedestrian-friendly, transit-oriented development.
- 20 Establish an objective that new developments outside Urban Growth Boundary are limited to net-zero emissions projects.
- 21 Apply Complete Communities policies for priority low-income, disadvantaged communities (LIDC) neighborhoods, where feasible and applicable.
- 22 Expand and improve active transportation infrastructure. Focus investments in LIDC neighborhoods and major activity centers.
- 23 Collaborate with Berkeley-Charleston-Dorchester Council of Governments (BCDCOG) and local municipalities to expand the regional public transit networks.
- 24 Support BCDCOG in developing a Multi-Modal, Safe Streets for All Transportation Plan.
- 25 Support outreach and education campaigns to encourage walking, bicycling, and riding transit.
- 26 Support the development of a last-mile delivery task force to identify innovative transportation solutions for businesses.
- 27 Expand e-bike/bike share programs in LIDC neighborhoods, as financially feasible.
- 28 Right-size and decarbonize the municipal fleet and equipment at the point of vehicle replacement, considering vehicle use, available technologies, and the business case.
- 29 Provide Cars 4 All incentives to help lower-income consumers replace their old higher-polluting vehicles with newer and cleaner transportation, subject to grant funding.
- 30 Support installation of DC Fast Charging stations in LIDC neighborhoods, subject to funding availability
- 31 Review land development regulations and consider Climate Positive Design solutions for parking lots and major developments.
- 32 Support partner organizations in expanding existing smart commute programs.
- 33 Coordinate with BCDCOG on strategies to electrify the transit fleet, including charging infrastructure and enabling land-use policies.
- 34 Support businesses in developing collaborative green fleet strategies.
- 35 Advocate for BCDCOG to investigate the inclusion of electric ferries along major waterways as part of their public transit system to reduce congestion and increase accessibility.
- 36 Advocate for Port of Charleston to provide renewable shore power services.
- 37 Support the airport in supplying electric and low-carbon fuel options for clean aviation.
- 38 Support rail companies in switching to battery-electric or other clean fuel-powered locomotives.

# 3



## Clean Energy for All

- 39 Continue to deploy solar PV projects for municipal facilities, where there is a business case.
- 40 Explore affordable, green energy options for the community and businesses with utilities serving the Charleston County area.
- 41 Emphasize the importance of clean electricity for the County's Climate Action plan to the Public Service Commission.
- 42 Partner with appropriate organizations to develop group buy programs for solar and energy storage systems to increase affordability and energy resilience for community members.
- 43 Partner with appropriate organizations to develop a community solar garden program for LIDC neighborhoods.
- 44 Participate in the effort to develop a business hub for offshore wind as part of the economic development strategy in Charleston County.
- 45 Support partner organizations in developing an energy storage program, including vehicle to grid for residential and commercial vehicles.
- 46 Support partner organizations in establishing workforce development programs to build local capacity and expertise for renewable energy installations.

# 4



## Innovative Industrial and Agricultural Sectors

- 47 Leverage existing sustainable agriculture task force and organizations to identify actions to support local farms and reduce GHG emissions.
- 48 Assess the inclusion of carbon sequestration in the Greenbelt Program.
- 49 Consider incentives and technical assistance for local landowners and organizations to undertake ecological restoration projects, supporting carbon sequestration.
- 50 Advocate for industry decarbonization as one of the key strategies for regional economic development.

# 5



## Circular Economy

- 51 Conduct a waste audit every five years to identify trends in waste generation.
- 52 Collaborate with vendors to identify and close gaps in the current composting programs for residents and businesses and evaluate the opportunity for biodigesters as an alternative to compost.
- 53 Collaborate with industry experts to develop a circular economy strategy (including recycling) that focuses on the ideas of zero landfill waste and using waste as a resource.