

Strategic Energy Action Plan

- The SEAP is the framework and map to deliver upon the goals set by the Sustainable and Resilient Charlotte by 2050 Resolution
- Aspirational goals:
 - 100% of city-owned buildings and fleet be fueled by 100% zero-carbon energy by 2030
 - To become a low carbon city by 2050 with each resident emitting less than 2 tons of CO₂e, which would keep Charlotte in line with the Paris Climate Agreement
- 11 Linked Action Areas with focuses on internal and community-wide actions
- 4 Themes:
 - Buildings
 - Transportation
 - Energy Generation
 - Workforce Development/Equity

Bloomberg Philanthropies' American Cities Climate Challenge

- In December of 2018, the City was awarded the Bloomberg Philanthropies' American Cities Climate Challenge by former Mayor Michael Bloomberg
 - One of 25 cities to receive this award
 - Receive technical expertise and resources to accelerate and deepen our SEAP/sustainability goals
 - 2 full time Climate Advisors working in the Office of Sustainability
- Action Areas:
 - Deep Energy Efficiency Retrofits of Cultural Facilities
 - On-Site Renewable Energy & Financing
 - Workforce Development
 - Finance Programs for Buildings (EE) and Fleet
 - Market Transformation for EVs
 - Accelerate and Finance Key Elements of Mobility Vision
 - Integrating Sustainability Priorities into Comp Plan & UDO Process
 - Shared Mobility Program

Year of Preparedness

Since December 2018, we have taken steps to set us up for success in reaching our goals. Some of these steps include:

- Onboarded 2 new **Climate Advisors** paid for through the Climate Challenge. They bring expertise and enhance existing staff to accelerate our goals:
 - Catherine Kummer has joined us to focus on our Transportation goals. She previously ran Sustainability and Green Innovation at NASCAR

- John Thigpen has joined us to focus on our Building and Energy Generation goals. He previously worked for Family Dollar as an Energy Manager and at JLL as a Building & Energy Manager
- Organized **Internal SEAP Operations Team** and **Internal Climate Challenge Action Teams** made up of staff from all departments
- Worked with **External Partners**
 - We have been working closely with the County looking at Air Quality data, specifically how our air quality can improve with electrification and renewable energy procurement
 - CMS
 - 15+ Technical Assistance Partners from Climate Challenge assigned to assist Charlotte & our goals
- Researched innovative **Financing** options
 - Total Cost of Ownership Model
 - Exploring creative financing mechanisms
 - Technical assistance from NRDC and Delivery Associates
 - Finance workshop to bring together our external partners and internal finance and budget team
- Collected and analyzed **Data**
 - Climate Challenge Dashboard to showcase our actions, milestones, and carbon emissions reductions. This was made for Charlotte by NRDC and Delivery Associates.
- Developed a **Communications** plan
 - SEAP Communications Plan: Our office, in partnership with CC&M, has created a SEAP Communications Plan to disseminate information, and engage and empower the community to take steps to lower their personal carbon emissions
 - Website, Twitter, & Instagram to provide updates to the public & inform on issues and solutions regarding carbon reduction
- Established **SEAP External Content Groups**
 - 4 groups:
 - Buildings
 - Transportation
 - Energy Generation
 - Workforce Development/Equity
 - 10-12 community members per group will meet on a quarterly basis to provide input, hear updates, work through outstanding issues, and distribute information to the greater community
- Secured **Funding** opportunities
 - Energy Foundation has set aside 200k for community engagement
 - Clean Fuel Advanced Technology (CFAT) Grant, Low or No Emission Electric Bus Grant

Duke Energy

- Signed Memorandum of Understanding
 - Non-binding agreement of cooperation and collaboration between the City and Duke Energy
 - Outlines a shared vision and acknowledges Duke Energy support and interest in meeting the Low Carbon reduction targets adopted by City Council
 - Establishes a framework for the partnership needed to achieve carbon reduction goals as well as advancing economic development efforts
 - Provides flexibility for both the City and Duke Energy
 - See attachment

Achievements and Initiatives

- We have had many achievements thus far across City departments with respect to carbon reduction. See full list attachment.

Next Steps

- Duke EV Pilot to Utilities Commission
- Carbon Cost Definition
- Retrofit 7 Cultural Facilities
- Solar leasing on existing rooftops
- Educational campaign to promote EVs
- Further research on Duke Energy's Green Source Advantage Program to procure large-scale solar energy
- Finalize corporate partners for sustainable energy jobs
 - The Office of Sustainability will continue to provide periodic updates to both Council and the public via charlottenc.gov/sustainability