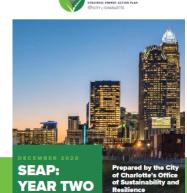


Strategic Energy Action Plan: Updates

MARCH 22, 2021



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2020 UPDATES AND ACHIEVEMENTS

- Bloomberg Philanthropies American Cities Climate Challenge extended through June 2021
- Solar Investments
 - ✓ Completed the **design of more than 1-megawatt of solar photovoltaic systems** on City buildings
 - ✓ Approved participation in Duke Energy's Green Source Advantage Program for a 35-megawatt, utility-scale solar energy project – making Charlotte the nation's most populous city to acquire new renewable energy through a utility green tariff
- Electric Buses & Infrastructure Investments
 - ✓ Aviation acquired 5 Battery Electric Buses
 - ✓ **CATS** won a Federal Transit Administration Low or No Emissions grant of \$3.7M with a 50% local match to result in the **procurement of six Battery Electric Buses** plus infrastructure and workforce development

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2020 UPDATES AND ACHIEVEMENTS

- Renewable Energy and Efficiency Workforce (RENEW) Training Program
 - ✓ **Funding for 4 cohorts** through both Urban League of the Central Carolinas and Goodwill Industries of the Southern Piedmont; 2 cohorts graduated
 - ✓ Recently awarded the **Diversity in Cleantech Award** at the Research Triangle Cleantech Cluster's 2020 Cleantech Innovation Awards
- Electric Vehicles & Infrastructure Investments
 - ✓ Signed **sustainable fleet policies** into implementation
 - √ \$1 million in EV infrastructure for City-owned facilities, which will bring us to nearly 100 city-owned electric vehicle charging stations
 - ✓ Replaced 7 gas vehicles with EVs for the employee motor pool; added an additional 20 EVs in various departments

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- Participated in Duke Energy's Integrated Resource Plan to advance SEAP Goals
- Contd. Duke-Cats negotiations on e-bus transition
- Installation of 3 more EV charging locations (13 chargers) with 2 more to be installed by end of Fiscal Year
- Solid Waste demoing electric street sweeper
- *Tonight, Council votes on contract to include installation of 874.4 kilowatts of solar capacity, generate 1M kwh of zerocarbon electricity equivalent to powering 114 homes; projected savings of approx. \$3M over life

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ONGOING ALIGNMENT AND PARTNERSHIPS







Internal

- The SEAP calls for the incorporation of SEAP goals and strategy into the Comprehensive Plan and UDO. Existing workstreams include:
- **Urban Land** Institute

- ✓ EV infrastructure and charging
- **Energy efficient buildings**
- Safe and accessible transit, bike lanes, sidewalks

CoolGlobes

External

- Partnered with Discovery Place and Cool Globes to bring a public art exhibit to Charlotte to raise awareness of the solutions to climate action with Charlotte-focused messaging
- Developed an MOU with Arrival to work together to achieve SEAP goals and strategy; creating workplan
- Working in partnership with Duke Energy further leverage MOU
- Contd. Work with SEAP External Content Group Stakeholders to catalyze community-led projects







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GRANTS AND AWARDS

SOUTHEAST SUSTAINABILITY DIRECTORS NETWORK

SOUTHEAST SUSTAINABILITY DIRECTORS NETWORK CHARETTE GRANT

Grant to share best practices on fleet policy with jurisdictions looking to replicate our policies.



CENTRALINA REGION OF EXCELLENCE CLEAN

Award for our Sustainable Fleet Policies.



LOW OR NO EMISSION GRANT

Won an FTA Low-No award of \$3.7M with a 50% local match to result in the procurement of six Battery Electric Buses plus accompanying infrastructure and workforce development.



Award for the RENEW Training Program.



Award to showcase that Charlotte ranked #26 in 100 best fleets.



CLEAN FUEL ADVANCED TECHNOLOGY GRANT This grant was used to purchase 4 mobile, solar-powered, level 2 EV charging stations.



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