

Strategic Energy Action Plan – SEAP+

TRANSPORTATION, PLANNING, & DEVELOPMENT COMMITTEE

MAY 5, 2025



SEAP+ TPD Meeting Purpose

Council Priority Alignment

◁ 2040 Plan and Unified Development Ordinance

- Includes **Strategic Energy Action Plan (SEAP+)**

◁ Well-Managed Government

- Ensuring the city demonstrates inclusivity through a **commitment to and focusing on equity and safeguarding the environment** leadership in financial stewardship; reviewing best practices; and maintaining consistency in approach with an emphasis on effective and efficient services that are accountable, customer focused, and inclusive.

Purpose: The Council Committee will review questions and answers from the SEAP+ review process and recommend to full City Council.

SEAP+ TPD Key Takeaways

01

SEAP+ is an update to the 2018 Strategic Energy Action Plan, building on successes and striving to make additional progress toward updated ambitious, but realistic goals.

02

SEAP+ works in connection with other city initiatives, projects, programs and departments including Charlotte Water and Solid Waste Services.

03

SEAP+ has been developed through an engagement process receiving overall internal and public support.

SEAP+ Council Communication

Previous Council Communication

- ◁ **April, 2025:** TPD Council Committee
- ◁ **March, 2025:** TPD Council Committee
- ◁ **February, 2025:** TPD Council Committee
- ◁ **October, 2024:** TPD Council Committee
- ◁ **January, 2024:** TPD Council Committee

Future Council Action

- ◁ **May 12, 2025: Full Council** – Proposed Review of SEAP+
- ◁ **May 27, 2025: Full Council** – Proposed SEAP+ adoption [Tuesday meeting]





SEAP+ **Q & A +** **Public** **Feedback**



SEAP+ Question:
Are there any **OTHER** strategies and/or actions you would recommend including?

Public Responses:

- Build out our transit system and bicycle network
- Support the proliferation of reliable and abundant EV charging
- Use more solar
- Focus on how transportation and the UDO are going to allow our city to grow so people don't need to depend on cars to get around
- Ensure we have the energy generation to support our goals.

SEAP+ Question:
What is the single most impactful action you believe the City of Charlotte could take to accelerate progress towards its Municipal Goals?

Public Responses:

- Promoting the retrofitting of older homes to help reduce power bills
- Hybrid or battery vehicles should be the absolute priority for take home vehicles where the employee lives outside the city limits
- Make transportation system more pedestrian-friendly
- Protect green areas in Charlotte

SEAP+ Question:
What actions can YOU take
to accelerate progress
towards the Community-
wide Goals?

Public Responses:

- Promote EVs to our community
- Ride the light rail
- Continue to plant trees in partnership with TCPP and CM Storm Water Services
- Share more education on benefits
- Reduce energy usage
- Understand recycling rules better
- More advocacy

SEAP+ Public Review Feedback

Public comments received support the overall intention of the SEAP+ and the strategies highlighted to reach the city's goals. Additional changes were only stylistic and/or grammatical.

Question:
How does the SEAP+ connect with Charlotte Water initiatives?

Response:

- Charlotte Water staff co-created draft Strategy 15 in the Cross Sectional Focus Area, focused primarily on water conservation.
- **Strategy 15:** Support efforts to optimize water usage.

Question:
How does the SEAP+ connect with the city's solid waste initiatives?

Response:

- SWS staff co-created draft Strategy 11 in the Cross Sectional Focus Area
- **Strategy 11:** Promote waste reduction and diversion throughout Charlotte

Question:
**How will the city finance
SEAP+ implementation?**

Response:

- The city plans to implement SEAP+ as it has for the previous SEAP, with many projects, programs and initiatives woven into existing work while seeking grants to help defer costs of new and/or additional costs.
- As opportunities arise, larger investments will be brought to City Council for approval like the process followed for the Green Source Advantage program.

Collaboration is in our DNA



Strategic Energy Action Plan Operations Team



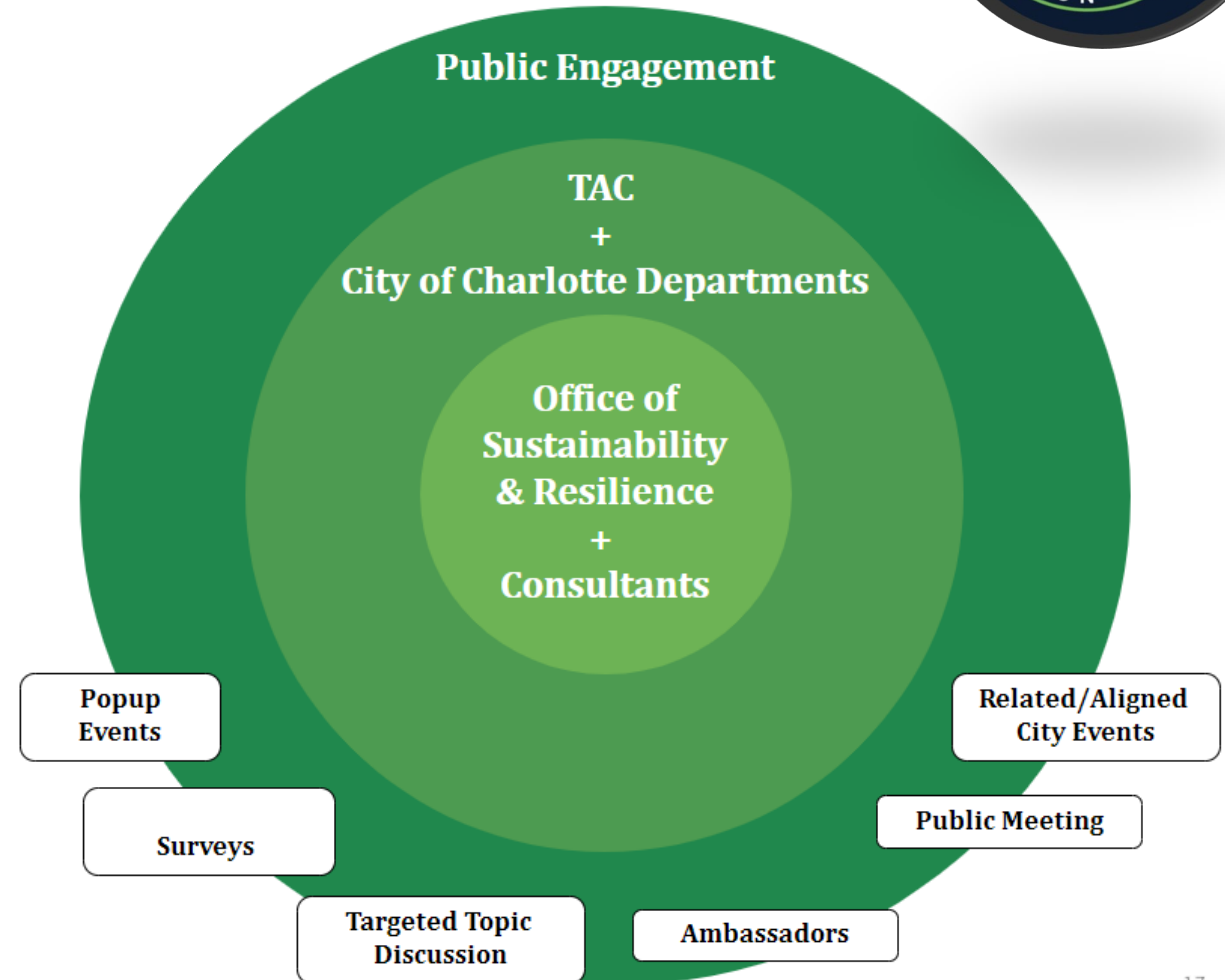
Sustainable Facilities Oversight Team



Electric Vehicle Supply Equipment Core Team



Projects and Initiatives



FY2025 Approach

1. Continuing to lead by example as a municipality through sustainable infrastructure investments that lowers our carbon footprint and supports a healthy community.
2. Laying the groundwork to harness external funding opportunities to make our dollars go further.
3. A strategic and amplified focus on equity and engagement towards our 2050 goal to become a low carbon community.



1) Lead by Example

- ✓ 30 on-site solar systems + secured an off-site 80MW solar project
- ✓ Only 19% to go to hit zero carbon building goal
- ✓ NAFA 6th greenest fleet with 330 city-owned EV charging ports
- ✓ Broke ground on All-Electric Fire House & Electric Fire Truck
- ✓ Sustainable Facilities Policy Update Won Local Gov Impact Award



2) Groundwork for Federal Funding

Agency	Grant	Request	Status
EPA	Community Change grant	20M	Not Awarded
DOT	Charging and Fueling Infrastructure	6M	Not Awarded
DOE	Energy Efficiency and Conservation Block Grant	775K	Received
HUD	Pro Housing	4M	Received
DOT	Reconnecting Communities	6M	Received

**BLOOMBERG AMERICAN
SUSTAINABLE CITIES**



Department of Energy, Energy Efficiency & Conservation Block Grant to support a Solarize Campaign which is anticipated to facilitate **the installation of about 1,500 rooftop solar systems** as well as including direct solar **installs on about 35 low- and moderate-income households**. Program set to launch in late Spring.

3) Strategic Focus on Equity & Engagement

- **GreenPrints**- an environmental justice addendum to the **Corridors of Opportunity** playbooks with partners Clean AireNC and Sol Nation.
- **EV Car Share**- electric vehicle car share program at/near four affordable housing sites with Forth Mobility (DOE grant) Q1 2025
- **Duke Energy + City - High Energy Use Pilot** to ensure that critical home rehabilitation is completed enabling energy efficiency retrofits
 - Served 54 homes, with 42% of the homes requiring city dollars to enable the energy efficiency work
 - For every \$1 Charlotte spends, Duke spends ~\$2.



▶▶| Next Steps



Next Steps



May 2025

- **Request to approve advancing SEAP+ from committee to full Council.**
- Review SEAP+ with Full Council on May 12th, 2025
- Proposed SEAP+ Adoption on May 27th, 2025.



June 2025

- June 2025, begin action steps to develop implementation strategies and widely share information about SEAP+ throughout our community.



Thank You!