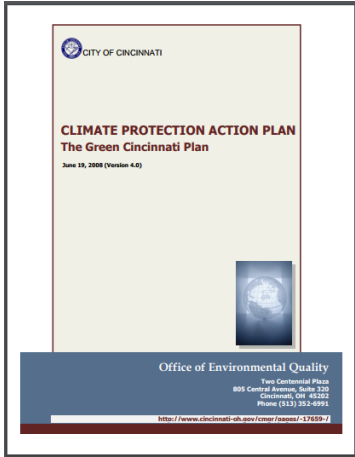




Green Cincinnati Plan 2023

Update for Climate, Environment, & Infrastructure Committee | January 17, 2024

GREEN CINCINNATI PLAN



2008



2013



2018



Green Cincinnati Plan  2023



GREEN CINCINNATI PLAN



| BUILDINGS & ENERGY



| CITY OPERATIONS



| COMMUNITY ACTIVATION



| FOOD



| NATURAL ENVIRONMENT



| MOBILITY



| RESILIENCE & ADAPTATION



| ZERO WASTE

50% carbon emissions reduction by 2030, 100% carbon neutral by 2050.

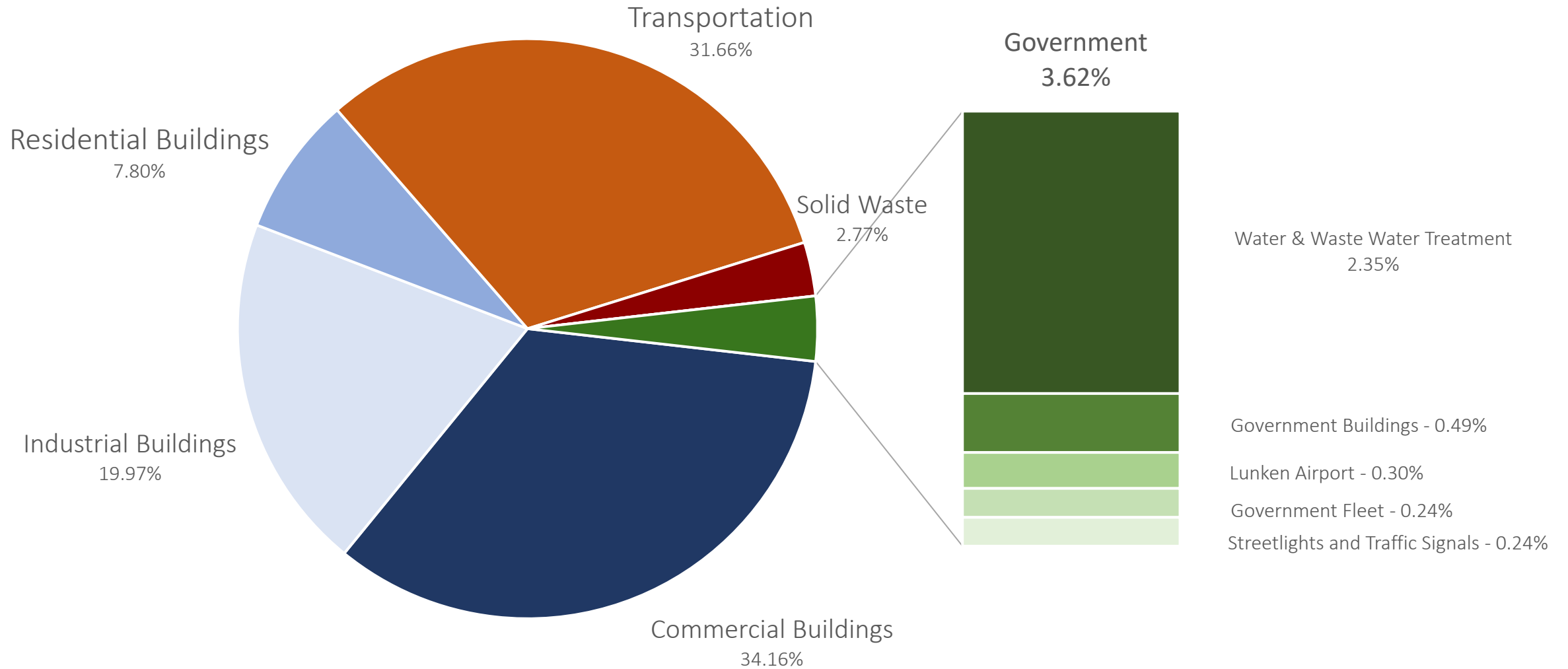
Sustainability. Equity. Resilience.



Cincinnati Carbon Profile

5.9M

metric tons of carbon
emitted in Cincinnati in 2021





Goal: 100% Clean Energy + Electrification



- 100MW solar farm - 90%+ powered on
- 6 new roof-top solar installations on City facilities, totaling 35 sites with renewable energy
- Over 22,000 lightbulbs replaced with LEDs across 81 facilities
- 9 EVs on order. Fleet Electrification & Charging Plan underway





Goal: Zero Waste

- Request for Proposals for City recycling, yard trimming, and organic waste services closes this month.
- Applied: USDA Grant to expand food rescue and composting efforts with community partners
- Public recycling installed in DORA District in Westwood and at The Banks





Climate Resilience & Adaptation



Surface temperature of the walking path at TM Berry Friendship Park in an area shaded by trees on 8/25/23 when ambient temperature was 95 F.



Surface temperature of the walking path at TM Berry Friendship Park in an area without tree cover on 8/25/23 when ambient temperature was 95 F.

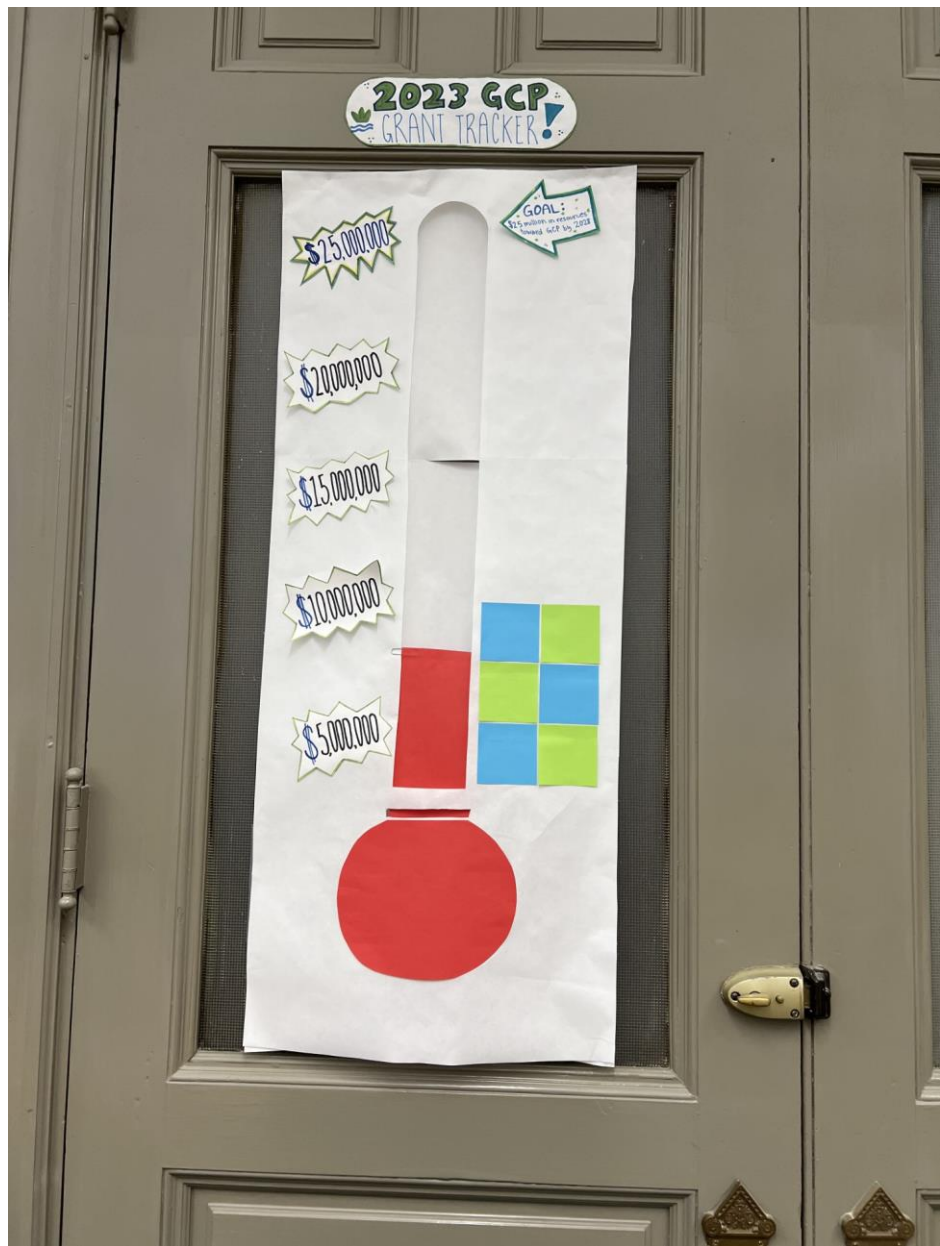
- CoolSeal Pilot – heat reflective asphalt coating piloted at LeBlond Rec Center
- Policy changes to minimize surface parking lots in the urban core
- Applied – FEMA Grant to stabilize landslide-prone hillsides and minimize overland flood risk zones



Priority Communities

- Environmental Justice - \$1.3M grant for Brownfields cleanup in Beekman Corridor
- WarmUp Cincy - \$1.1M grant for heat pump installations in low-income multi-family buildings
- RISE Grant will install air quality monitors at 24 sites, focusing on Rec Health Centers in priority communities
- Climate Safe





Federal Funding

- **Goal:** \$25M secured for GCP implementation
- **Secured:** \$8M
 - Workforce development
 - Heat pump installations
 - Building Performance Standards
 - Composting
 - Brownfield Remediation
- **Major Opportunities ahead:**
 - Climate Pollution Reduction Grant - \$4.5B
 - Solar for All - \$7B
 - Community Change - \$2B



Inflation Reduction Act (IRA)



- **Direct Pay Provision-** City (and non-profits) now eligible for clean energy tax incentives
 - Working with departments to ID facility and fleet projects
 - Solar on city facilities
 - Battery power backup
 - Electric vehicles and charging
 - Created and seed funded Revolving Loan Fund to support facility and fleet improvements
- **Brownfield to Brightfields Study** - to determine pathways to transform brownfields sites through the installation of solar
- Working with community non-profits to help them understand the opportunity

Environmental Advisory Board

Andrew Musgrave

Director of Catholic Social Action Office
Archdiocese of Cincinnati

Dave Schmitt

Executive Director
The Mill Creek Alliance

Rico Blackman

Director of Organizing
Greater Cincinnati Homeless Coalition

Ashleigh Finke

Director of Real Estate Development
Over the Rhine Community Housing

Ericka Copeland

Director
Sierra Club Ohio

Savannah Sullivan

Senior Director of Programs & Climate
Strategy
Green Umbrella

Ashlee Young

Vice President, Policy and Engagement
Interact for Health

Julie Shifman

Co-founder, Vice President of External Relations
Last Mile Food Rescue

Susan Sprigg

Director, Community & Population Health
Cincinnati Children's Hospital Medical
Center

Chad Day

International Brotherhood of Electrical Workers
Local 212

Kylie Johnson

Southwest Ohio Regional Director
Ohio Environmental Council

Tanner Yess

Executive Director
Groundwork Ohio River Valley

Dianna Hodge

Director of Building Services
Xavier University

Nathan Alley

Conservation Program Coordinator
Sierra Club Ohio





FUSE Executive Fellows

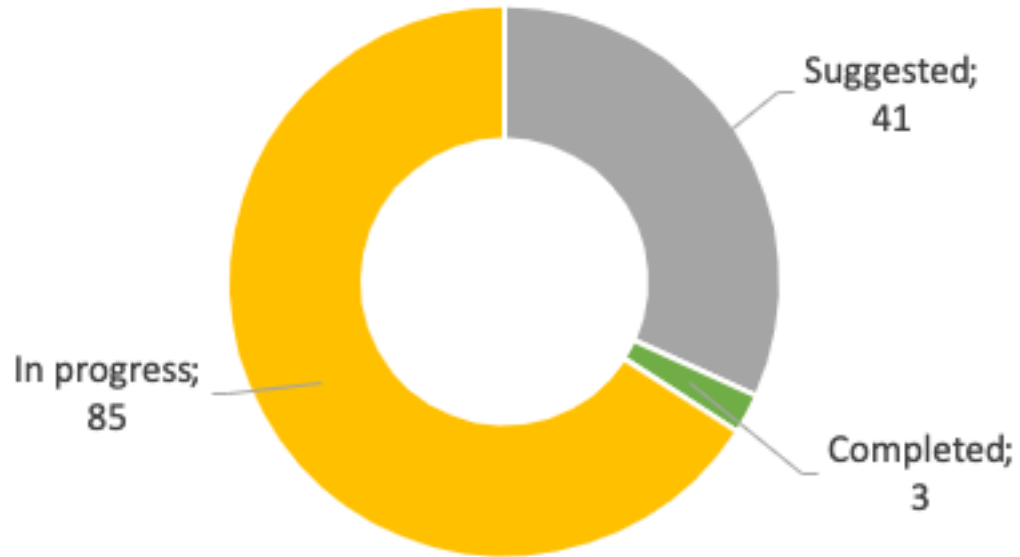
- **Valorie Aquino – Climate Resilience Fellow**
working on strategies to increase resilience to extreme weather events, particularly overland flooding
- **Nikki Vandivort – Clean Energy Fellow**
working to accelerate the transition to renewable energy and electrification
- **Thanapat Vichitchot – Green Workforce Fellow**
working on green workforce development strategy toward GCP goal to train 4,000 Cincinnatians in green jobs



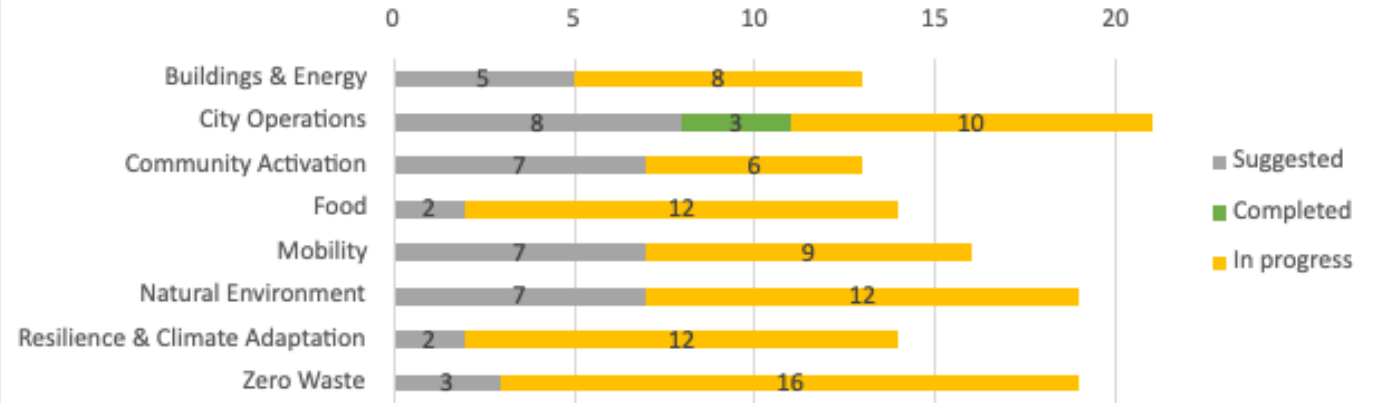


Progress Tracking

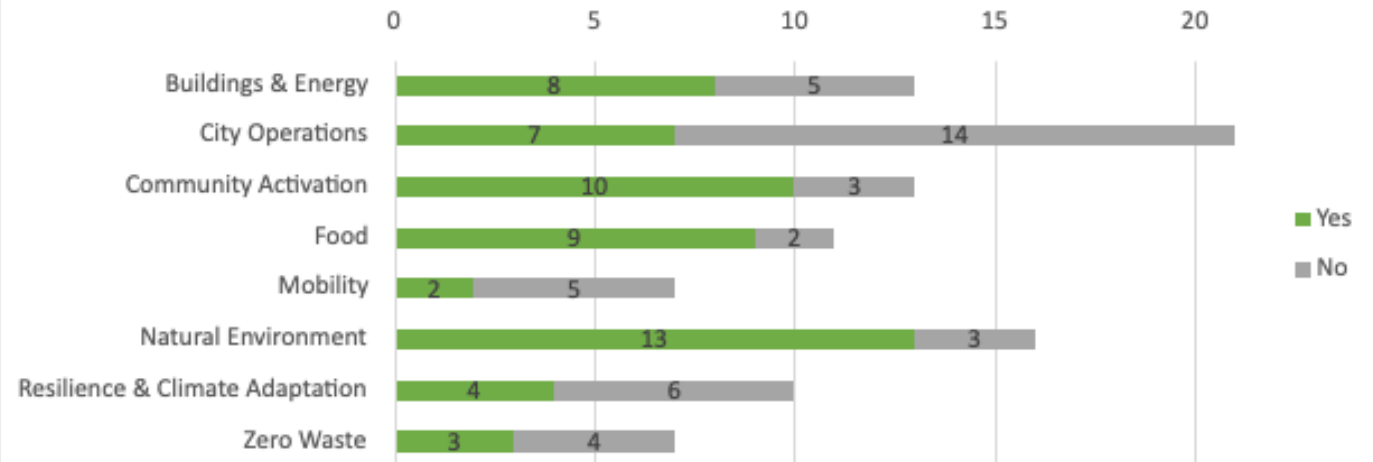
Priority Action Progress



Priority Action Progress by Focus Area



Priority Actions with Partners by Focus Area





Transition for Cincinnati

Emissions 2021
5.67 MMT

Breakdown of emissions 2021
5.67 MMT

Transition pathway 2021-2050

The emissions will decrease from 5.67 MMT (2021) to 44.41 TMT (2050) according to this pathway



Cincinnati on the Path to Carbon Neutral

The **2023 Green Cincinnati Plan (GCP)** outlines a comprehensive set of 40 high-impact Strategies and 128 Actions to address climate change and build a more sustainable, equitable, and resilient future. The Plan is organized into eight Focus Areas that articulate the City's Visions, Goals, Strategies, and Actions in response to the climate crisis across the following systems: Buildings & Energy, City Operations, Community Activation, Food, Mobility, Natural Environment, Resilience & Climate Adaptation, and Zero Waste.

[Show full text](#) ▾



Departmental Leadership

- Planning – Parking requirements in Downtown basin
- Community & Economic Development – Brownfields Remediation
- Public Services – Rooftop Solar, Fleet Electrification
- Health – Air quality monitoring in priority communities
- Parks – Tree canopy expansion
- Recreation – Solar and battery backup, heat reflective sealant pilot
- Performance & Data Analytics – Recycling Hackathon
- Transportation & Engineering – Vision Zero Pedestrian Safety



GreenCincinnatiPlan.org