



City of Cincinnati

801 Plum Street
Cincinnati, OH 45202

Agenda - Final-revised

Climate, Environment & Infrastructure

Councilmember Meeka Owens, Chairperson
Councilmember Mark Jeffreys, Vice-Chair
Councilmember Jeff Cramerding, Member
Councilmember Seth Walsh, Member

Wednesday, January 17, 2024

10:00 AM

Council Chambers, Room 300

PRESENTATIONS

Green Cincinnati Plan Update

Oliver Kroner, Director of the Office of Environment & Sustainability

From Local to Regional, Updates on Climate Action in Cincinnati and Beyond
Ryan Mooney-Bullock, Executive Director of Green Umbrella

AGENDA

- [202400032](#) **ORDINANCE** submitted by Sheryl M. M. Long, City Manager, on 1/4/2024, **AUTHORIZING** the City Manager to take all necessary and proper actions to cooperate with the Director of the Ohio Department of Transportation to facilitate the performance of maintenance activities for the bridge which carries Blair Avenue over Interstate 71 in connection with the Ohio Department of Transportation's bridge maintenance project in the City of Cincinnati.

Sponsors: City Manager
Attachments: [Transmittal](#)
[Ordinance](#)
- [202400037](#) **REPORT**, dated 1/4/2024, submitted Sheryl M. M. Long, City Manager, regarding Long-Term Upgrades for the Yard Waste Removal Program (Ref. Doc. #202300958).

Sponsors: City Manager
Attachments: [Long Term Yard Trimming Solutions Report 1-24](#)
- [202400219](#) **PRESENTATION**, submitted by Sheryl M. M. Long, City Manager, dated 1/17/2024, regarding the Green Cincinnati Plan.

Sponsors: City Manager
Attachments: [Transmittal](#)
[Presentation](#)

4. [202400223](#) **PRESENTATION**, submitted by Councilmember Owens from Ryan-Mooney-Bullock, Executive Director of Green Umbrella.

Attachments: [Presentation](#)

Date: January 4, 2024

To: Mayor and Members of City Council

202400032

From: Sheryl M. M. Long, City Manager

Subject: ORDINANCE – BLAIR AVENUE BRIDGE MAINTENANCE PROJECT

Attached is an ordinance captioned as follows:

AUTHORIZING the City Manager to take all necessary and proper actions to cooperate with the Director of the Ohio Department of Transportation to facilitate the performance of maintenance activities for the bridge which carries Blair Avenue over Interstate 71 in connection with the Ohio Department of Transportation’s bridge maintenance project in the City of Cincinnati.

The Ohio Department of Transportation (ODOT) has identified the need to perform maintenance activities for the bridge which carries Blair Avenue over Interstate 71, in connection with ODOT’s bridge maintenance project PID No. 112983, located in the City of Cincinnati, community of Avondale.

No City right-of-way is required for the Project other than for temporary access and there is no change in use to City streets arising from the Project. The State of Ohio has requested that all necessary right-of-way in the Project area be made available for the Project in accordance with current state and federal regulations.

The State of Ohio will provide 100% of the eligible cost of the work.

The City’s Department of Transportation & Engineering has reviewed and approves of the proposed project. Any changes to the street layout or right-of-way are subject to review and approval by the City Planning Commission, but no such changes have been identified at this stage of the Project.

The State of Ohio and the City desire for the City to continue its existing maintenance responsibilities of the right-of-way in the Project area for public highway purposes, as applicable, and other duties required by applicable state and federal law, upon completion of the Project.

The Administration recommends passage of the attached ordinance.

cc: John S. Brazina, Director, Transportation and Engineering

AUTHORIZING the City Manager to take all necessary and proper actions to cooperate with the Director of the Ohio Department of Transportation to facilitate the performance of maintenance activities for the bridge which carries Blair Avenue over Interstate 71 in connection with the Ohio Department of Transportation’s bridge maintenance project in the City of Cincinnati.

WHEREAS, the Ohio Department of Transportation (“ODOT”) has identified the need to perform bridge maintenance activities as part of its maintenance project for the bridge that carries Blair Avenue over Interstate 71 (HAM-71-0427) located in the City of Cincinnati, which may include replacing the expansion joints, sealing the deck and substructure, painting the structural steel, and improving the drainage (PID No. 112983) (“Project”); and

WHEREAS, except as needed for temporary access, no transfer of City right-of-way is required for the Project, and no change in the use of City streets is expected to arise from the Project; and

WHEREAS, the State of Ohio shall provide 100% of the eligible cost of the Project; and

WHEREAS, ODOT has requested that all necessary rights of way in the Project area be made available for the Project in accordance with current state and federal regulations; and

WHEREAS, the City’s Department of Transportation & Engineering has reviewed and approved the proposed Project; and

WHEREAS, the extent of City streets and changes in their use are subject to review and approval by the City Planning Commission, but no changes requiring the commission’s review have been identified at this stage of the Project; and

WHEREAS, upon completion of the Project, ODOT and the City desire for the City to continue its existing maintenance responsibilities for the right of way in the Project area, as applicable, and other duties required by applicable state and federal law; now, therefore,

BE IT ORDAINED by the Council of the City of Cincinnati, State of Ohio:

Section 1. That the City of Cincinnati consents to and shall cooperate with the Director of the Ohio Department of Transportation (“ODOT”), on behalf of the State of Ohio, to facilitate the performance of maintenance activities as part of ODOT’s maintenance project for the bridge that carries Blair Avenue over Interstate 71 (HAM-71-0427) located in the City of Cincinnati,

which may include replacing the expansion joints, sealing the deck and substructure, painting the structural steel, and improving the drainage (PID No. 112983) (“Project”).

Section 2. That the State of Ohio will assume and bear 100% of the cost of the improvements proposed as part of the Project.

Section 3. That the City shall bear 100% of the cost of those features, if any, requested by the City that ODOT and the Federal Highway Administration determine to be unnecessary for the Project; as of the date of this ordinance, no such features have been identified.

Section 4. That the City agrees to make available to ODOT all City rights-of-way required for the Project, including utility relocation, in accordance with current state and federal regulations and subject to any additional City approvals required for the encumbrance or acquisition of City property or change in use of City streets. The City acknowledges that all utility accommodation, relocation, and reimbursement in connection with the Project will comply with the current provisions of 23 C.F.R. 645 and the ODOT Utilities Manual.

Section 5. That, from time to time, change orders and extra-work contracts may be required to fulfill the Project, and ODOT shall provide written notice to the City, which shall process such as needed and contribute the City’s share of the costs of those items; as of the date of this ordinance, no such costs have been identified.

Section 6. That, to the extent applicable and unless otherwise agreed, the City upon completion of the Project shall: (1) provide adequate maintenance for the Project in accordance with all applicable state and federal law, including, but not limited to, 23 U.S.C. Section 116; (2) provide ample financial provisions, as necessary, for any City maintenance responsibilities in connection with the Project; (3) to the extent required by state and federal law, maintain the

right of way and keep it free of obstructions; and (4) hold said right of way inviolate for public highway purposes.

Section 7. That the City Manager is hereby authorized to enter into any agreements and process any change orders or extra-work orders connected thereto with the Director of ODOT, or ODOT-prequalified consultants, as necessary to complete the Project in accordance with the terms of this ordinance.

Section 8. That the City Manager is further authorized to execute any documents, upon the request of ODOT, necessary to allow ODOT to recover damages or exercise its rights and remedies under any contracts arising from any errors or omissions of any contractors or consultants.

Section 9. That the City Manager and the appropriate City officials are hereby authorized to take all necessary and proper actions to cooperate with the Director of ODOT to facilitate the Project.

Section 10. That this ordinance shall take effect and be in force from and after the earliest period allowed by law.

Passed: _____, 2024

Aftab Pureval, Mayor

Attest: _____
Clerk

January 4, 2024

To: Mayor and Members of City Council

From: Sheryl M.M. Long, City Manager

202400037

Subject: Long-Term Upgrades for the Yard Waste Removal Program

Reference Document #202300958

The City Council, at its session on March 29, 2023, referred the following item for review and report:

MOTION, submitted by Councilmember Cramerding, WE MOVE that the Administration prepare a second report that outlines the cost, feasibility, and timeline for long-term solutions to improve the City's yard waste program. The report should, at a minimum, address the program constraints as listed on page 3 of Item No. 2023-00558. Additional solutions to be considered should include but not be limited to:

- The potential for alternative waste providers to accept yard waste.
- Combining the natural collections with the City's yard waste program with the biochar pilot program, thereby using residents' yard waste to create biochar and supplement the ongoing efforts of the Parks Department.
- In addition, the report should include the types of third-party end users that may benefit from use of the compost created by Rumpke, including whether the City would be able to request having compost be delivered back for use in City operations such as Parks or Recreation outdoor greenspaces.
- Any other recommendation to improve the program.

Yard Trimmings Program Background

The City's source separated yard trimming program was started in the 1990s, initiated to comply with Ohio Law HB 592. The program's history, status, challenges, and opportunities are outlined in recent reports to Council (2023-00558, 2023-02409). Key aspects of these reports are summarized here.

Currently, the City has a contract to deliver yard trimmings collected from residents to the Rumpke Sanitary Landfill in Colerain Township. The City provides curbside yard trimmings collection bi-weekly from April to January to respective solid waste customers. The current agreement for yard trimmings disposal with Rumpke has an initial term that expired at the end of February 2023, with three one-year renewal periods extending as late as February 2026.

Rumpke currently meets State requirements for collecting, separating, and disposing of yard trimmings. Rumpke uses the City's curbside collected yard waste as daily cover in the sanitary landfill which is helpful in odor control at the facility. This practice is compliant with State law but

diverges from the City's current environmental sustainability goals outlined in the 2023 Green Cincinnati Plan (GCP). The GCP includes goals to divert organics from landfills, thereby reducing greenhouse gas emissions, increasing landfill capacity, and creating a circular economy.

Program Constraints

The current yard trimmings program has constraints identified below (from page 3 of Document No. 202300558) that point to the need for long term solutions. Some practices that could be implemented to align City sustainability goals with the yard trimmings program were previously explored in Document Nos. 202300558 and 202302409. Additional long-term solutions to these constraints are presented in the following section.

- 1) *Participation in the City's yard waste collection program is not mandatory although commingled yard waste is prohibited; however, residents are still not completely separating out yard waste from curbside garbage collection.*
- 2) *Ohio law allows Rumpke to accept in some instances yard waste at their sanitary landfill, and Rumpke is permitted by the Ohio EPA to use compost as alternative daily cover at the landfill.*
- 3) *Ohio law does not expressly provide the Ohio EPA authority to regulate transporters of yard waste or require generators of yard waste to source-separate for delivery to a particular facility.*
- 4) *The contract between the City and Rumpke does not restrict yard waste or compost from being placed in their sanitary landfill including as alternative daily cover.*
- 5) *Rumpke does not have a third-party end user for the yard waste that it composts. The City has not identified potential third-party end users of the compost. The City as a potential end user has not requested the compost be delivered back for use in City operations.*

Potential Long-Term Solutions

A. Solicitation for Solutions

The City has recently issued a Request for Proposals (RFP RFP019_2024) to solicit yard trimming collection, processing, and mid- and end-market solutions. As part of this solicitation, 1) bidding vendors have been notified that they will be prohibited from landfilling collected yard waste or compost including as daily cover, and 2) processors and mid- and end-users of yard trimmings and compost have been requested to propose sustainable service solutions that support a circular economy.

The RFP is hoped to provide details on the local market options available, including collection, processing, and cost information for yard trimmings. The Administration believes that this next step coupled with the County's organics management planning, described below, will help to better understand best options for aligning the yard trimming program with the environmental sustainability goals of the City. The RFP is open for responses until January 11, 2024. A new yard trimmings contract is anticipated to be in place by August 2024.

B. Organics Management Planning

In alignment with the Hamilton County Solid Waste District Plan, Hamilton County R3Source, Recycling, and Solid Waste District has recently solicited for professional services to prepare an Organics Processing Feasibility Study. The District has awarded the project to GT Environmental with the anticipation that the study will be completed in 2024. The Administration believes this study will complement the results of the Recycling RFP described previously.

As part of the organics management study, the consultant will evaluate:

- 1) Potential organics diversion from Hamilton County and the surrounding region including processing needs, generation estimates, infrastructure landscape, and mass balance.
- 2) Recommend the best processes and infrastructure or combination of opportunities to effectively manage organic material including existing facilities and infrastructure with a

footprint analysis, technical evaluation, case studies, and sample public-private-partnership models.

- 3) Research and recommend available potential locations for facility(s) with siting criteria, siting recommendation, and probable cost estimate.

C. Anaerobic Digestion

Anaerobic digestion is a proven technology to sustainably manage organic waste used around the world. This process uses bacteria to break down organic matter in the absence of oxygen, producing renewable gas and digestate as byproducts. Two anaerobic digestors are in the design-build stage locally. The first will be located in St. Bernard and plans to accept organic waste from industrial food processors. It will not accept organic material from residential sources. This will make recoverable gas although there is no diversion plan for the digestate, which will be landfilled at a reduced volume of about 90%. The second will be located within the City at the Little Miami Wastewater Plant to process sewage, operated by the Metropolitan Sewer District. Siting and permitting for anaerobic digestors is complex, and the timing for these digestors to enter operation is unknown.

Neither of these anaerobic digestors is currently planning to receive yard trimmings as a feedstock, but they help build new solutions and end markets for organic waste. An anaerobic digester solution to process residential and commercial yard trimmings and food waste can be designed and built according to specific feed stocks or carbon-nitrogen ratios; however, one has not yet been brought forward locally. This regional solution to yard trimmings and food waste management could be funded through the various partnership models or potentially through federal funding.

D. Composting & Mulching

Ohio law defines composting as a method of solid waste disposal using controlled biological decomposition. The state's solid waste composting regulations require that a facility obtain a registration, license and/or permit. The law regulates the types of wastes that can be accepted for composting, operational requirements of the facility, and testing requirements for the finished product prior to distribution. The City and County do not currently operate a registered composting facility. However, there are privately operated registered composting facilities in the region.

Composting activities occurring at a residence and those activities using less than 500 square feet at a non-residential location are not subject to Ohio's composting regulations. A network of small-scale composting facilities is locally feasible, and this model has been successfully orchestrated in Cleveland. However, a facilitator, outreach, resources, and end-markets for such a public-private partnership have not been locally developed.

Hamilton County operates yard trimmings drop-off locations from March to December each year, located at Oakdale Elementary School in Green Township, Bzak Landscaping in Anderson Township, and Rumpke Sanitary Landfill in Colerain Township. The County reports that all material dropped off at these sites is composted.

Mulching is another environmentally acceptable application of yard trimmings, and it is not subject to the same regulatory restrictions as compost. Woody content that is often included in yard trimming collections works well as a feedstock for mulch. There are several private mulch producing facilities located in the County that currently provide a volume-limited solution for some of the regions woody yard trimmings.

The Organics Management Study and the Recycling RFP described previously are the next steps in evaluating feasibility of composting and how yard trimmings along with food waste may be best managed. This may include technologies such as in-vessel composting, tunnel reactor composting, bunkered compost-covered aerated static pile, and agitated bed composting.

E. Biochar

The Park's Department is currently in the site-design phase of a municipal scale biochar production facility. This pilot project is in its infancy with the goal of repurposing wood debris generated through municipal tree care into a soil amendment used to increase the growth rate and survivability of the City's urban forest. Upon approval of the Board of Park Commissioners, the production facility will be located at Warder Nursery and operated by a third party under the oversight of the Division of Natural Resources. The proposed operations model is to sell the majority of the biochar in bulk, to pay for the cost of annual operations and maintenance of the machine as needed.

In addition to the Park Board of Commissioners, Great Parks of Hamilton County have substantially invested in this pilot project with the intention of addressing the manure waste generated at Parkey's Farm. Therefore, the supply of compost needed to charge the biochar with nutrients for tree planting objectives and sales is not currently necessary. The City yard trimmings program could be modeled to provide one or more roles in the biochar supply chain within the current project scope, but this would require designated drop off locations for brush and wood waste and funding for chipping, collection, and transport of the material.

Future applications for biochar creation should model and complement this pilot. Therefore, further assessment of facility siting, compost processing, and/or compost transportation could be part of the operations model in the future. The Recycling RFP and Organics Management Plan previously described are anticipated to provide needed market information to support next steps such as these.

F. Volume-Based Pricing Incentives - Pay As You Throw

Many communities incentivize responsible disposal of waste, organics, and recyclables by implementing Volume-Based Pricing, commonly called pay-as-you-throw (PAYT). PAYT is a variable-rate pricing structure that charges households based on the amount of trash they produce. This model reflects the true cost of waste generation and incentivizes recycling and composting practices at the household level. There are more than 7,000 thousand PAYT communities in the US, and over 200 PAYT programs in Ohio.

PAYT is considered a best management practice for waste diversion and has consistently delivered significant reductions to average household landfilled waste in communities where implemented. It has the added benefit of generating revenue to help offset the cost of waste collection and fund implementation of waste diversion solutions. Revenue from a PAYT model could be used to support the siting and operation of a community composting facility as an example of scaling up yard trimming collection and processing infrastructure locally.

Implementation of volume-based pricing may require changes to the City's Charter Article XVI which states:

"The City, including its various Boards, agencies and departments, shall not assess, levy or collect any tax or general assessment on real properties, or against the owners or occupants thereof, for the collection, transportation or disposal of trash, garbage, waste, rubbish or refuse."

G. State and Local Law Compliance

State and local regulations provide constraints and opportunities in aligning yard trimmings management with sustainability goals. State yard trimmings and composting law can be found under Ohio Administrative Code (OAC) 3745-27-19 and 3745-560, respectively, and are not directly within the control of the City.

As described above, State law affects source-separation, transportation, and landfilling of yard trimmings. State law permits Rumpke to use the City's yard debris as alternative daily cover, although this is not aligned with the City's environmental priorities.

Within this context of state law, the City could consider 1) policies to require specific practices in disposing of yard trimmings; 2) support environmentally sound practices in the development of state regulations and regional waste plans; and 3) amend city administrative regulations to require specific practices in procurement and contracting for city services and operations.

The City's Municipal Code (CMC) Chapter 729-88 states: "*Yard waste materials from a dwelling shall not be co-mingled with other waste if the city provides separate yard waste collection.*"

Without strong end-market options for yard trimmings, near-term enforcement of the yard trimmings separation requirement presents an administrative burden with limited benefit. When strong end-markets for this material are established, enforcement then becomes important for minimizing contamination and maximizing landfill diversion.

The previously described City Recycling RFP and County Organics Management Plan are mechanisms the Administration is using to evaluate potential long-term end-market yard trimmings collection and compost solutions. In concert with potentially identified solutions, the Administration may also consider programmatic revisions to provide operational reliability and technical support, resident education, confidence, and compliance support, and administration management and enforcement support.

H. Federal Funding

The Investment in Infrastructure & Jobs Act (IIJA) and Inflation Reduction Act (IRA) mark significant federal investment in infrastructure, clean technology, and climate solutions. The reduction of methane emissions driven by organic waste production are one of the priorities receiving funding. The City is actively pursuing funding opportunities that support long-term organic waste solutions, including grants from the U.S. Environmental Protection Agency (USEPA) and the U.S. Dairy Association (USDA). The Investment Tax Credits of the IRA are reshaping the financing options for clean energy projects, including the biochar and anaerobic digestion projects.

cc: Virginia Tallent, Assistant City Manager
Natasha S. Hampton, Assistant City Manager
Jason Barron, Director, Parks
Ollie Kroner, Director, Office of Environment & Sustainability
Jerry Wilkerson, Director, Department of Public Services

January 17, 2024

To: Members of the Climate, Environment & Infrastructure Committee

From: Sheryl M. M. Long, City Manager 202400219

Subject: **Presentation – Green Cincinnati Plan**

Attached is a presentation regarding the Green Cincinnati Plan.

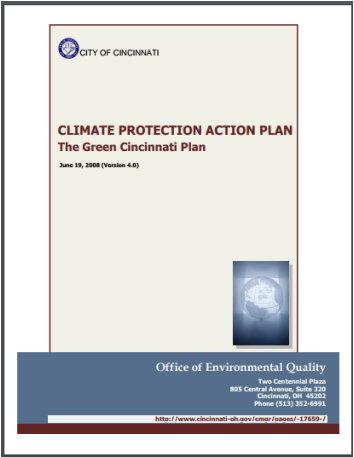
cc: Oliver Kroner, Director, Office of Environment & Sustainability
Virginia Tallent, Assistant City Manager



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.

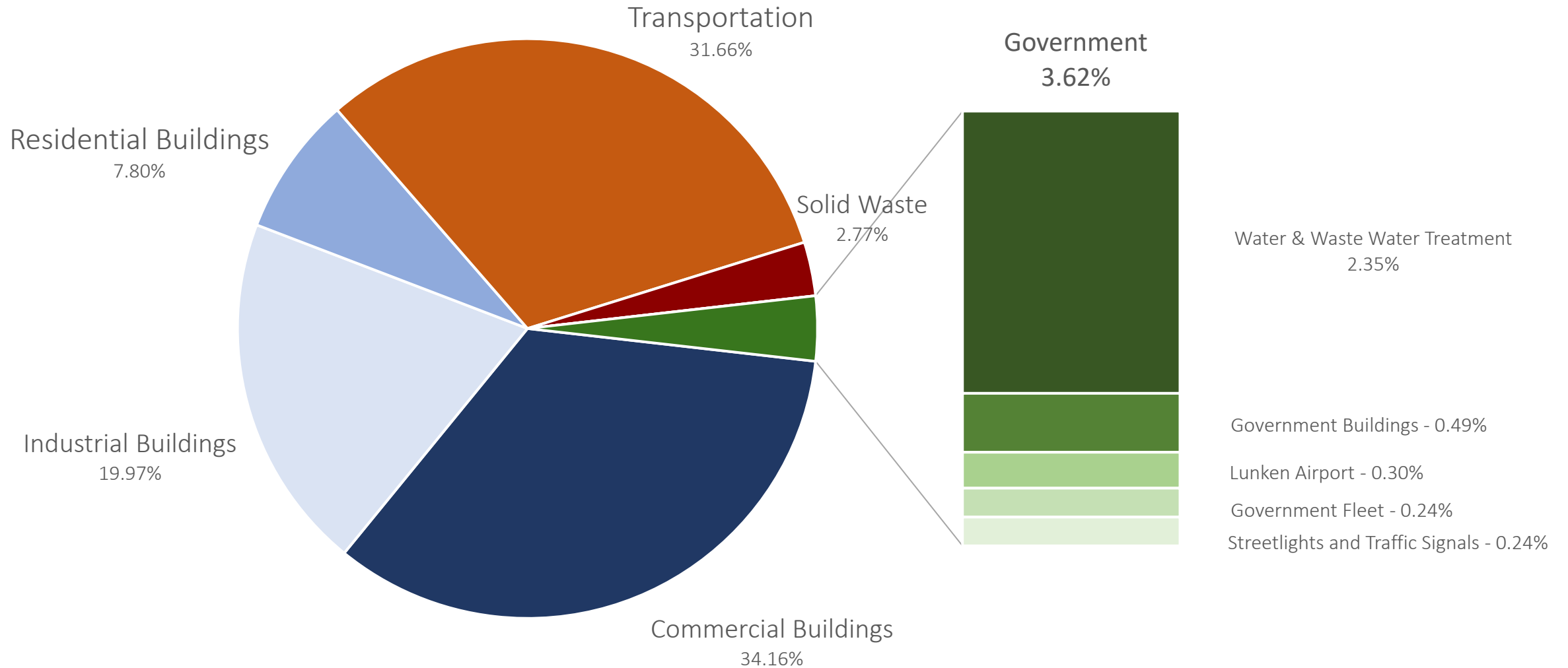
Sustainability. Equity. Resilience.



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.

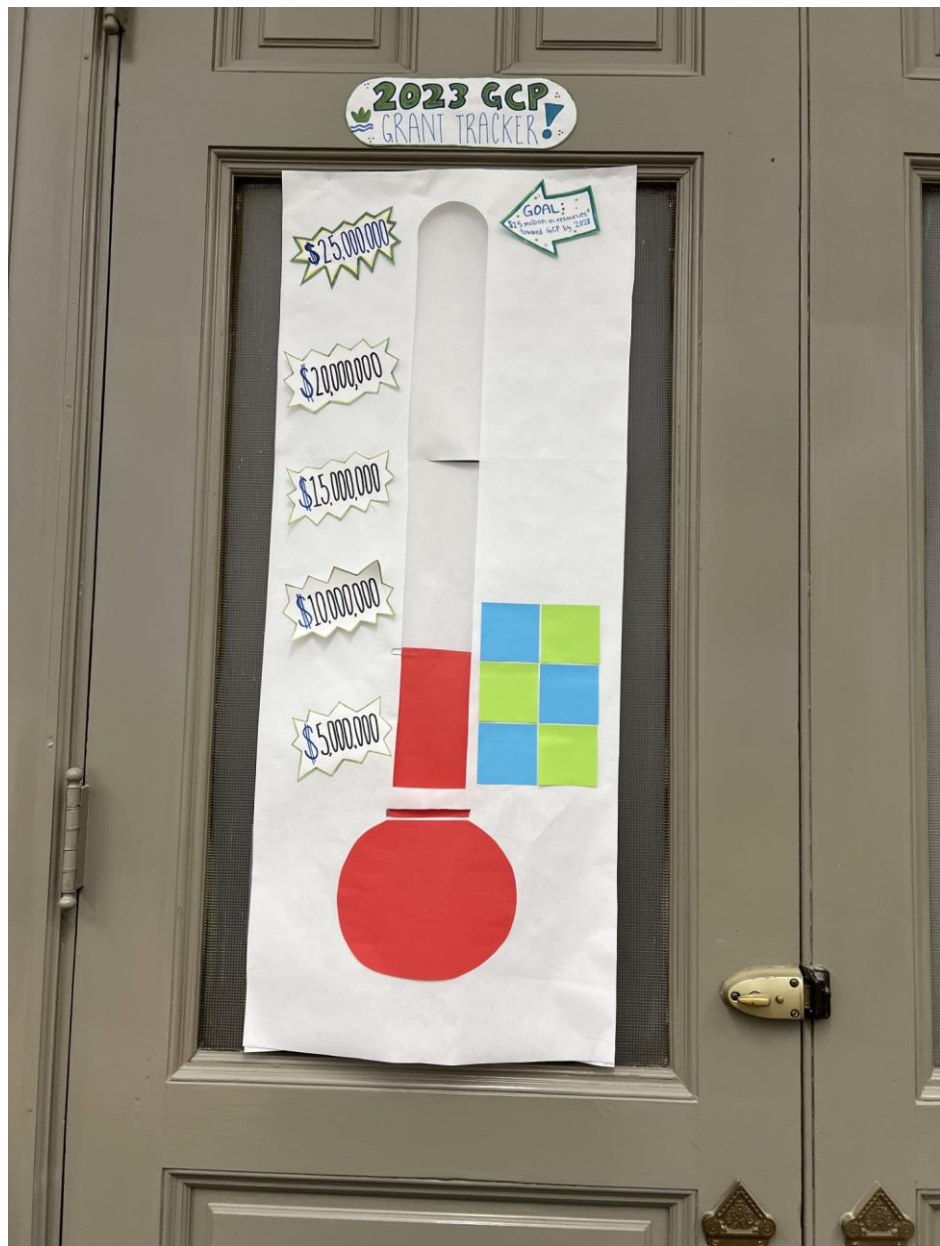
- CoolSeal Pilot – heat reflective asphalt coating piloted at LeBlond Rec Center
- Policy changes to minimize surface parking lots in the urban core
- Applied – FEMA Grant to stabilize landslide-prone hillsides and minimize overland flood risk zones



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

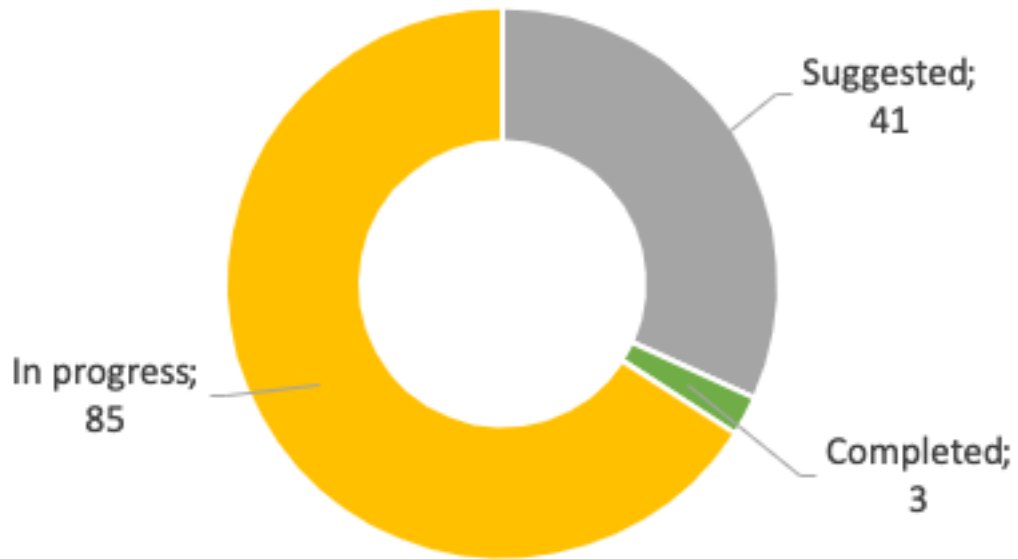
- **Valorie Aquino – Climate Resilience Fellow**
working on strategies to increase resilience to extreme weather events, particularly overland flooding
- **Nikki Vandivort – Clean Energy Fellow**
working to accelerate the transition to renewable energy and electrification
- **Thanapat Vichitchot – Green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



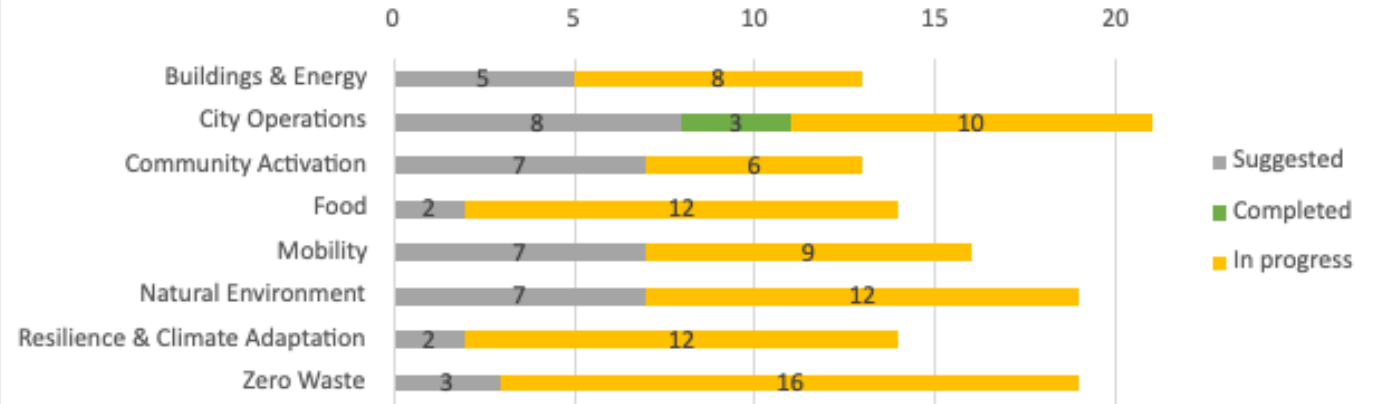


Progress Tracking

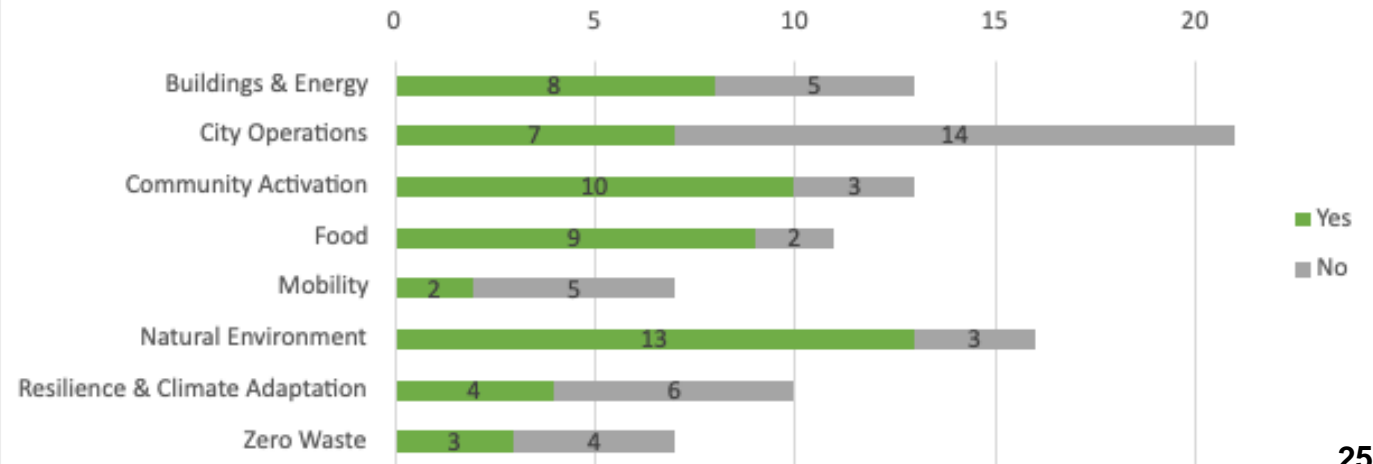
Priority Action Progress



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



Green Cincinnati Plan 2023

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





REGIONAL CLIMATE COLLABORATIVE



 **Green
Umbrella**
REGIONAL CLIMATE COLLABORATIVE

Green Umbrella's work is helping to



Reduce greenhouse
gas emissions



Build resilient and
equitable food systems



Create and protect thriving
greenspace



Support local
communities

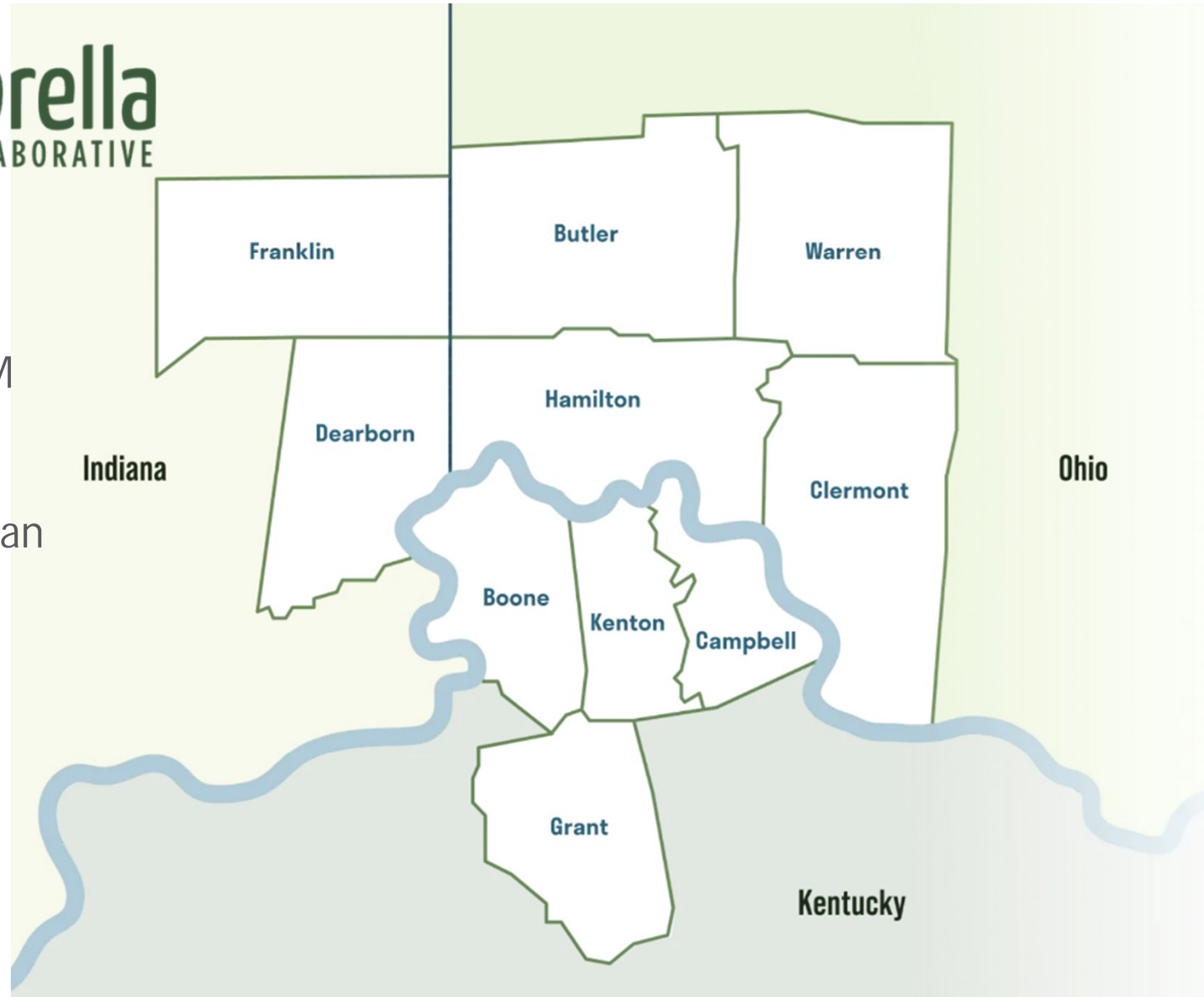


Green Umbrella

REGIONAL CLIMATE COLLABORATIVE

Regional population = 2.2M

Population who live in a community with a green plan = 325,000



Green Umbrella



New Working Groups Launching This Quarter



Activating Local Capacity Working Group



Listening to and Engaging Communities Working Group



Equipping Elected Officials Working Group



Supporting Frontline Communities*



Funding and Implementation Working Group

The background of the slide features a photograph of four people in a meeting. A woman is seated at a table with a laptop, looking at the screen. A man is seated next to her, looking down at something in his hands. Another man is seated across from them, also looking down. A woman is seated in the foreground, looking towards the laptop. The image is overlaid with a semi-transparent green filter.

Scioto Analysis
Economics | Public Policy

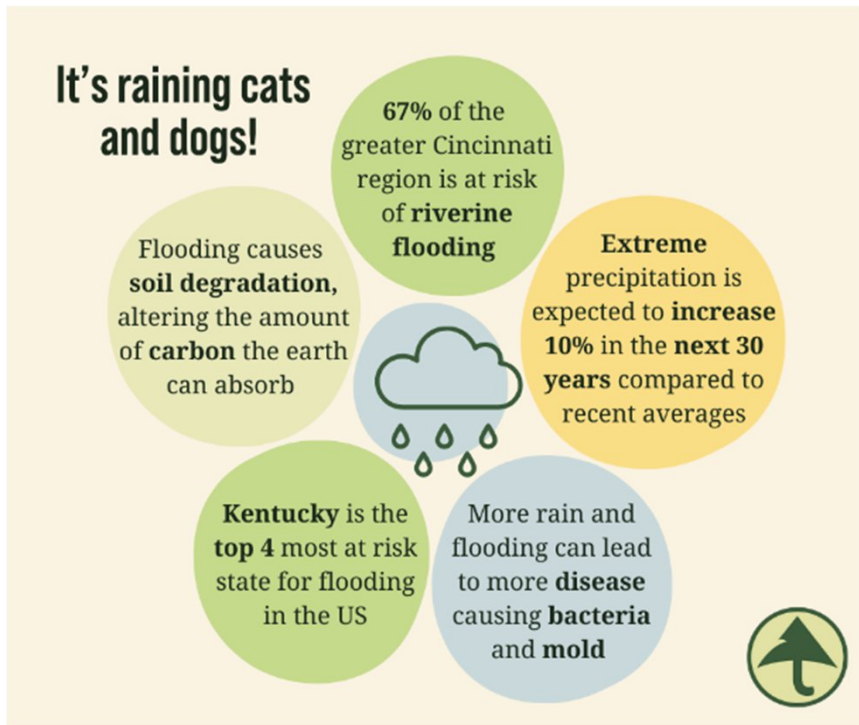
CLIMATE HEALTH EQUITY

Analyzing the Impacts of
Climate Change on Health
Outcomes in Greater Cincinnati

Prepared for Green Umbrella by Scioto Analysis



2024 Climate Health PSA Campaign



Campaign will:

Cover 12 climate health topics, one per month

Provide data and shareable media materials every month

Share actionable strategies at the individual, institutional, and systems level – take action at home and in your community!



Highlights from 2023 and Plans for 2024

Outdoor
Classrooms →

11

Trees
Planted →

89

Learning
Gardens →

6



Green Schoolyards Action Network
Successes Dashboard



Compost Piles at Camp Washington Farm

Johnson Su BioReactors in Communities



Food Scraps from
Queen City Commons

Processing

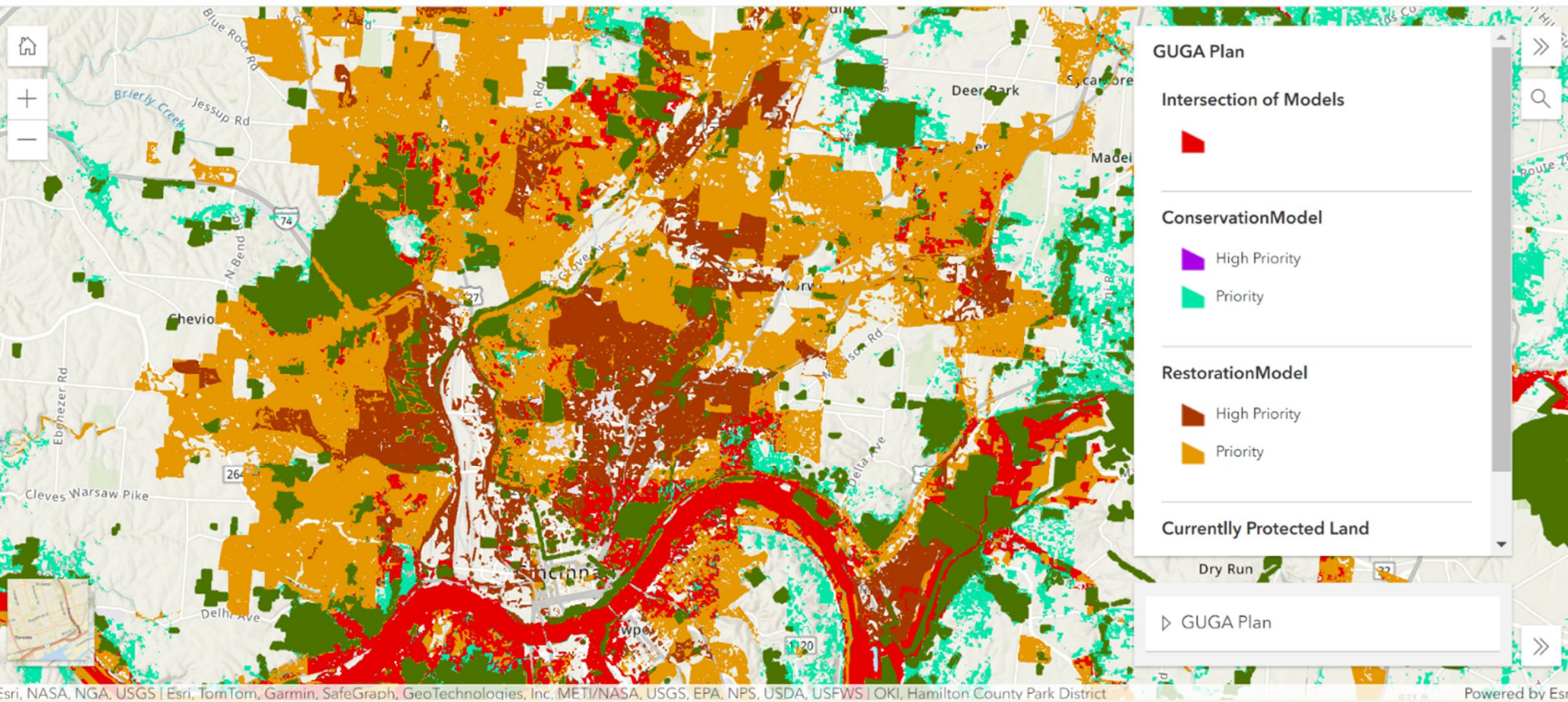
Cold storage

Distribution & redistribution

Waste diversion

Developing effective infrastructure

Regional Greenspace Prioritization Plan





CLIMATE POLLUTION REDUCTION GRANTS

U.S. Environmental Protection Agency

- \$5 Billion in total funding
- Locally-driven GHG reduction measures
- States, MSAs, Tribes and Territories





CLIMATE POLLUTION REDUCTION GRANTS

U.S. Environmental Protection Agency

Phase 1: Non-competitive
Planning Grants

Phase 2: Competitive
Implementation Grants



\$4.6B

NATIONALLY



40%

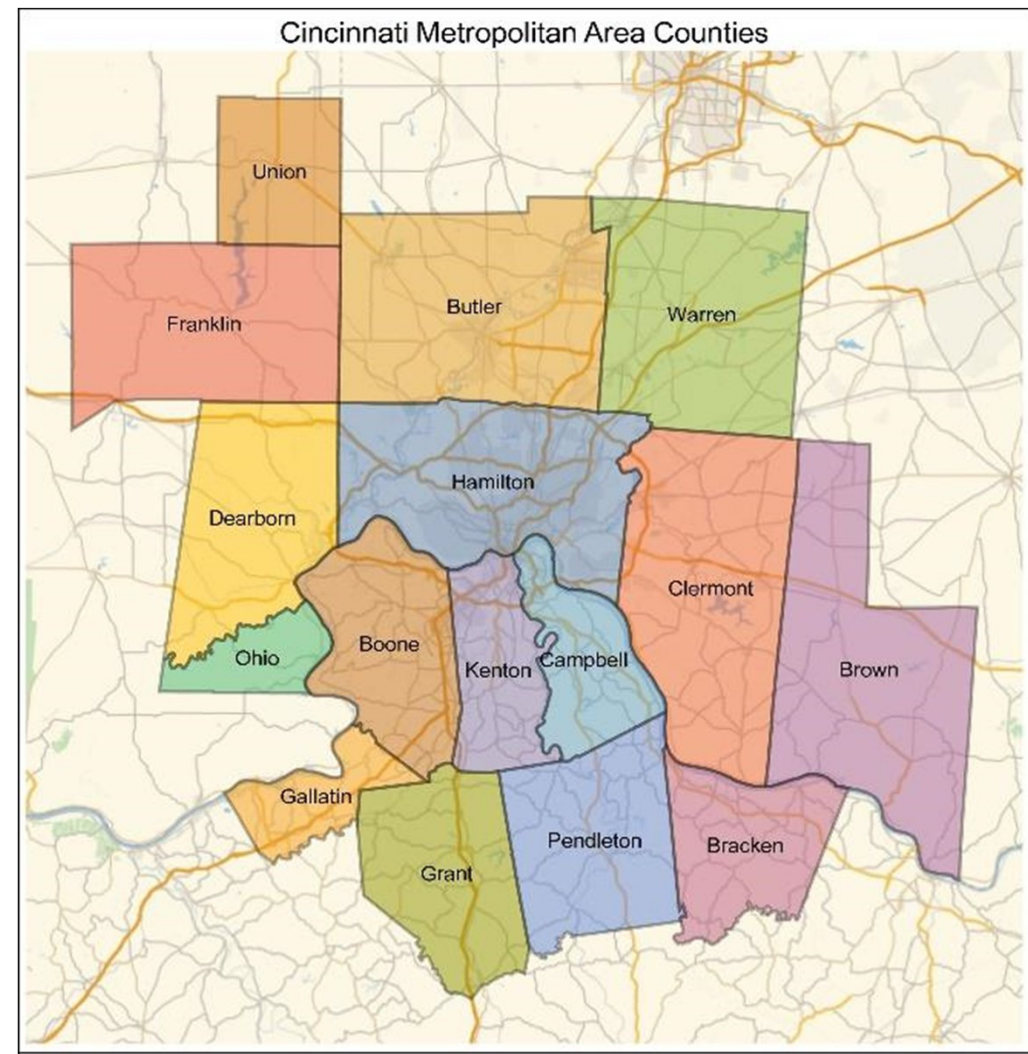
**TO MOST VULNERABLE
COMMUNITIES**

August 1st: Cincinnati MSA awarded \$1M to produce a regional Climate Action Plan

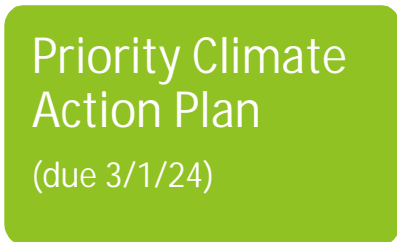


Plan for entire MSA

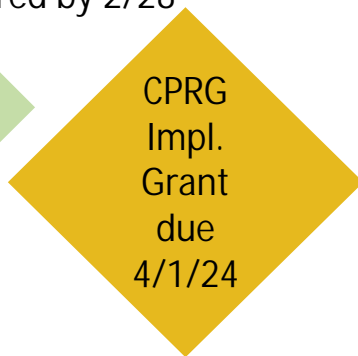
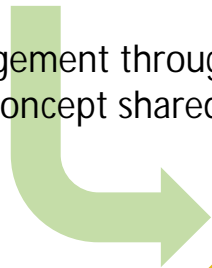
- 16 counties
- 200+ political jurisdictions
- Reliance on partnerships



Plan Deliverables and Schedule



Online engagement through 2/16
Draft grant concept shared by 2/28





Thrive Together

A Sustainability Playbook
for Greater Cincinnati



SCAN ME



Green Umbrella
REGIONAL CLIMATE COLLABORATIVE

2024 GCP Priorities



REGIONAL CLIMATE COLLABORATIVE

Ryan Mooney-Bullock
Executive Director
ryan@greenumbrella.org