



CPRG STRATEGY SUBCOMMITTEE (CSS) MEETING #5

April 24, 2024
US EPA Climate Pollution Reduction Grants (CPRG) Program



MID-OHIO REGIONAL
MORPC
PLANNING COMMISSION



AGENDA



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- 1. Welcome & Introductions | 10:30 – 10:40 AM**
- 2. Brief CPRG Phase I Update | 10:40 – 10:50 AM**
 - a. Recap February Meeting
 - b. Overview of Priority Climate Action Plan (PCAP)
 - c. Brief Overview of Next Steps
- 3. CPRG Phase II Update | 10:50 – 11:15 AM**
 - a. Overview of "Growing Green: A Community-Focused Energy Strategy for a Growing Columbus Region"
 - b. Scope of Work
 - c. Discuss Next Steps
- 4. Future of CSS | 11:15 – 11:30 AM**
 - a. CPRG Phase I Comprehensive Climate Action Plan (CCAP)
 - b. Upcoming Potential Needs
 - c. Other MORPC Opportunities
 - d. Questions
- 5. Adjourn | 11:30 AM**

Mid-Ohio Regional Planning Commission

CPRG Strategy Subcommittee
Attendance

April 24, 2024, 10:30 am

Members Present

Andrew Binegar, Bridges Community Action
Partnership

Vince Carpico, Fairfield County

Frank Christman, Village of Asheville

Clinton Davis, Lancaster-Fairfield Community
Action

Lexi Hidish, Pickaway County Port Authority

Matt Hill, LCATS

Joseph Main, Ohio Heartland Community
Action

Jennie McAdams, Franklin County Public
Health

Jeff Phillips, Pickaway County Community
Action

Alana Shockey, City of Columbus

Janean Weber, Sustainable Columbus

MORPC Staff Present

Brian Filiautraut

Lynn Kaufman

Karina Peggau



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THANK YOU!

Your support, ideas, and feedback were a big part of our planning process.





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PHASE I UPDATE

Priority Climate Action Plan





PCAP SUBMITTED!



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Identified Regional Priorities:

- Increase transit use
- Increase energy efficiency in businesses
- Incentivize net-zero for new homes
- Increase solar + storage on public buildings, businesses, and homes
- Increase energy efficiency in homes
- Increase mixed use development
- Increase wastewater treatment efficiency
- Reduce landfilled organic waste



Scan to Read
the Columbus
MSA PCAP



These measures fall within the key sectors outlined by EPA under the CPRG program:



Electric Power Sector



Transportation Sector



Commercial & Residential Buildings Sector



Industrial Sector









Agriculture, Forestry, & Land Use Sector



Waste & Materials Management Sector



Sector	Goal	Measure	Cumulative MT CO2e Reductions	Cumulative MT CO2e Reductions
			2025-2029	2025-2050
 Transportation	Increase (and electrify) regional transit options	Completion of LinkUS West Broad Corridor by 2028.	1,810	47,944
		Implement MORPC Metropolitan Transportation Plan (Bike+Ped Goal Attainment).	4,958	54,615
		250% increase in Central Ohio vanpools by 2029.	3,665	25,656
		Electrify 50% of COTA fleet to battery operated buses by 2030.	39,290	376,877
		Expand eBike incentive program from 2025 to 2030.	1,765	7,080
		100% municipal light duty passenger zero emission vehicles (ZEV) by 2030.	60,040	199,478
 Commercial and Residential Buildings Sector	Increase energy efficiency in businesses and homes	Encourage the adoption of Building Performance Standards to achieve 35% reduction in commercial building energy use by 2035.	956,181	8,422,662
		Increase home weatherization and energy efficiency programs.	17,841	67,804
		Expand LED + Smart streetlighting program	24,599	89,244
 Electric Power Sector	Increase solar + battery storage capabilities on public buildings and facilities, small businesses, nonprofits and homes	Public and Nonprofit Buildings and Spaces: Regional Community Energy Strategy (ReCES) (50 MW Solar)	80,562	644,102
		Expansion of Solar in the Residential Sector (50 MW Residential Solar)	80,562	644,102
		Expand community solar - 5 MW Community Solar	9,234	65,376
 Waste and Materials Management Sector and Industrial Sector	Increase water and wastewater treatment efficiency	Community water and wastewater treatment facilities in Franklin County commit to 10% municipal water use reduction and 25% energy use reduction by 2030.	54,502	363,851
		Implement waste-to-energy projects at wastewater treatment facilities.	173,400	1,994,100
 Agricultural, Forestry, and Land Use Sector	Preserve existing greenspace and tree canopy coverage	Support regional tree canopy and greenspace inventory initiatives and expand tree canopy coverage throughout the Central Ohio region.	175,624	35,991,043
		Identify and conserve 1,000 acres of greenspace across the region.	294	60,353
 Waste and Materials Management Sector	Reduce landfilled organic waste	Expand curbside composting pilot program by 2025.	6,381	33,245
		Open a regional composting facility by 2028	28,274	325,772
		Establish and manage 20 food scrap drop-off sites by 2026	3,693	23,128



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Goal	Increase energy efficiency in businesses and homes
Measure	Expand LED + Smart streetlighting program
CO2e Reductions	2025-2029: 24,599 MT CO2e 2025-2050: 89,244 MT CO2e
Implementing Agency	Columbus/MORPC
Implementation Schedule and Milestones	2025: Finance and complete 25% LED streetlight upgrades. 2030: 100% LED streetlight conversion complete. 2030-2050: Scale across Columbus MSA by initiating a joint purchasing consortium for interested municipalities; curate an inventory of lighting needs; install LEDs and smart streetlights on a rolling basis
Geography	Columbus MSA
Milestones for Obtaining Legislative/Regulatory Authority	No additional authority required for municipal-owned utilities. PUCO authority required for investor-owned utilities
Funding Sources	Local government funds federal and state grants.
Metrics for Tracking Progress	Streetlights Replaced by Type (Quantity) Energy Consumption Reduced (MWh) Savings (USD) Change in CO2e (MT) Change in Co-Pollutants (MT)
Co-benefits to LIDACs	Increase safety



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PHASE II UPDATE

Implementation Grant Recap





CPRG PHASE II: APPLICATION

Climate Pollution Reduction Grant (CPRG) Program | US EPA



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Application Submitted!

Growing Green: A Community-Focused Energy Strategy for a Growing Columbus Region

- **ReCES** makes large scale solar arrays affordable for libraries, schools, water utilities, and other public buildings and spaces
 - CPRG dollars would leverage the Columbus Region Green Fund and make solar more regionally available and scalable
 - **50 Letters of Intent and over 250 potential solar sites across all 10 counties**
- **LinkUS** tackles the largest source of GHG emissions by sector (transportation) and location (Franklin County)
 - With addition of CPRG funds, the W. Broad corridor can become a model of success for future transit corridors in the region – allows inclusion of sidewalks, bike lanes, trails, mobility hubs, bike programs, in addition to a battery electric vehicle fleet
- **Two new committees—Solar Coordinating Committee; Workforce Development Committee**



CPRG PHASE II: APPLICATION

Climate Pollution Reduction Grant (CPRG) Program | US EPA



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Growing Green: A Community-Focused Energy Strategy for a Growing Columbus Region

- \$73.5mm federal funding request
- Reducing 94,947 MT CO₂e by 2030 and 462,165 MT CO₂e by 2050

Measure #1: ReCES Commercial Solar Program | 27.5 MW

Measure #2: ReCES Residential Solar Program for LIDACs | 2.5 MW

Measure #3: Battery Electric Buses for the LinkUS W. Broad Transit Corridor

Measure #4: Retrofitting Columbus Streetlights along the LinkUS W. Broad Transit Corridor with Smart LED Lighting



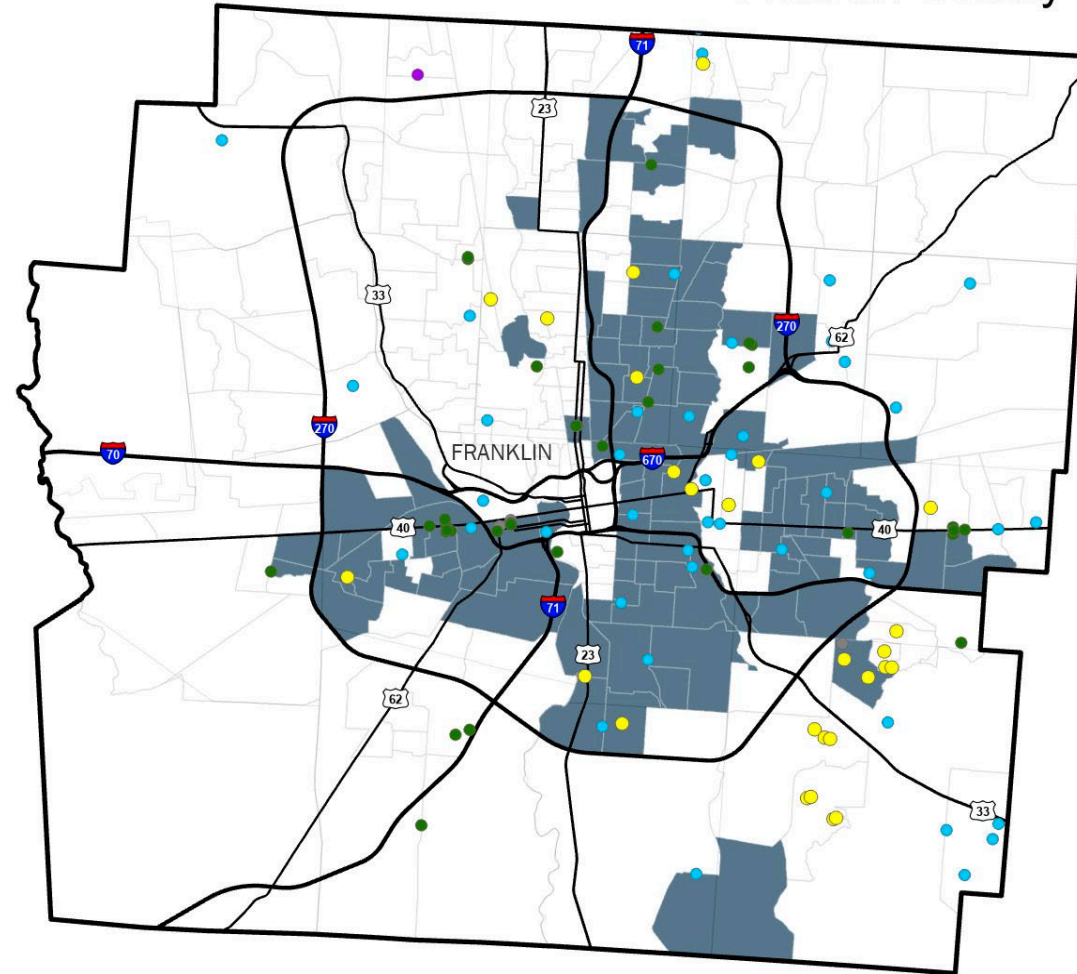
CPRG PHASE II: SCOPE

Climate Pollution Reduction Grant (CPRG) Program | US EPA



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Franklin County



Building Type

- Government
- Library
- Lot
- Nonprofit
- Schools

Justice 40 Status

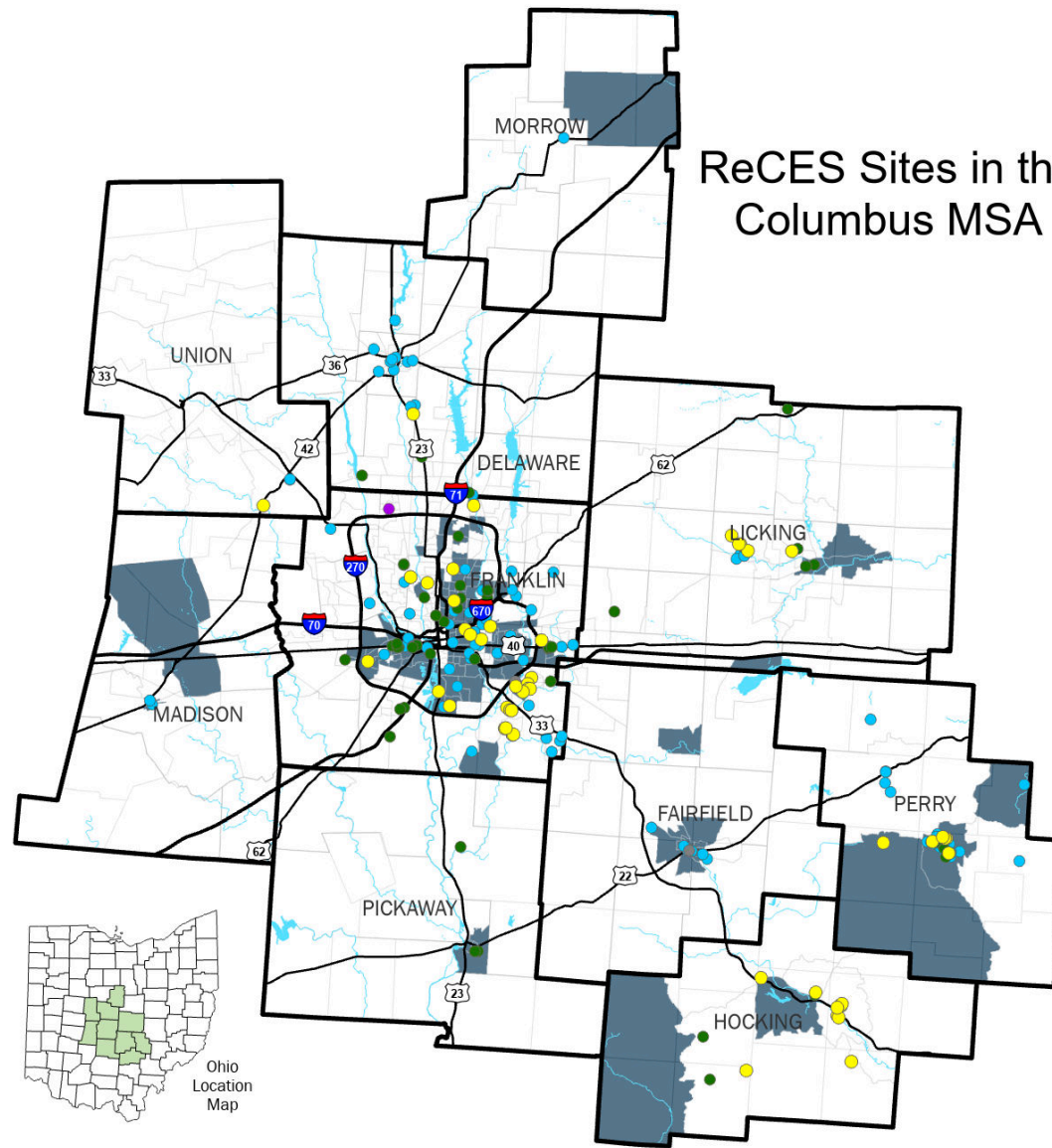
- Disadvantaged
- Partially Disadvantaged
- Not Disadvantaged

Roads

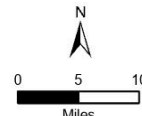
- Interstate
- U.S. Route



ReCES Sites in the Columbus MSA



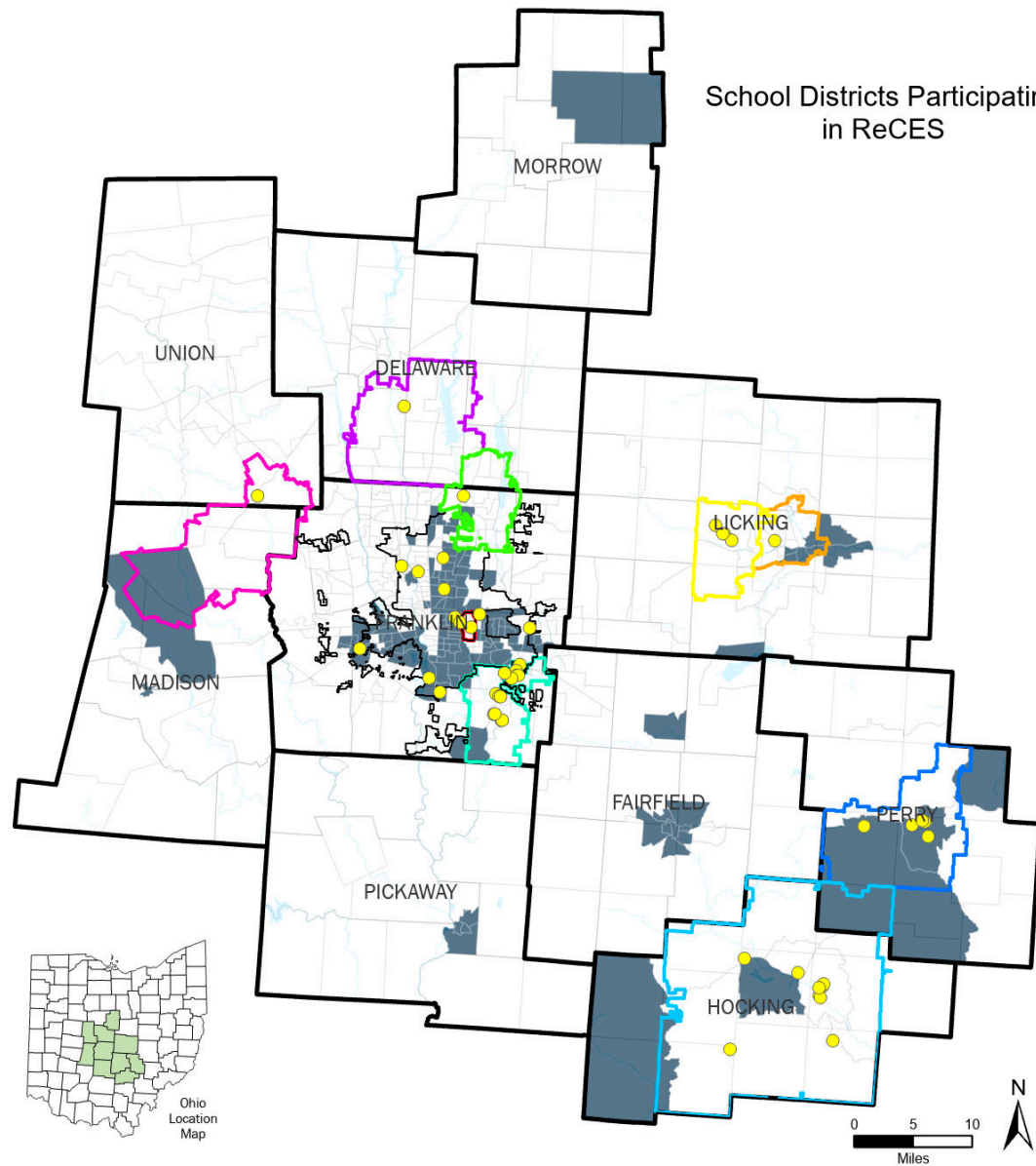
- | Building Type | Justice 40 Status |
|---|--|
| ● Government | ■ Disadvantaged |
| ● Library | ■ Partially Disadvantaged |
| ● Lot | ■ Not Disadvantaged |
| ● Nonprofit | |
| ● Schools | |



The information shown on this map is compiled from various sources made available to us which we believe to be reliable.
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 4/10/2024



School Districts Participating in ReCES



- | | | | |
|----------------------|-------------------------------|---|---|
| Building Type | Justice 40 Status | Granville Exempted Village School District | New Lexington City School District |
| ● Government | ■ Disadvantaged | ■ Newark City School District | ■ Olentangy Local School District |
| ● Library | ■ Not Disadvantaged | ■ Groveport Madison Local School District | ■ Westerville City School District |
| ● Lot | Name | ■ Jonathan Alder Local School District | ■ Logan-Hocking Local School District |
| ● Nonprofit | ■ Bexley City School District | ■ Columbus City School District | |
| ● Schools | | | |



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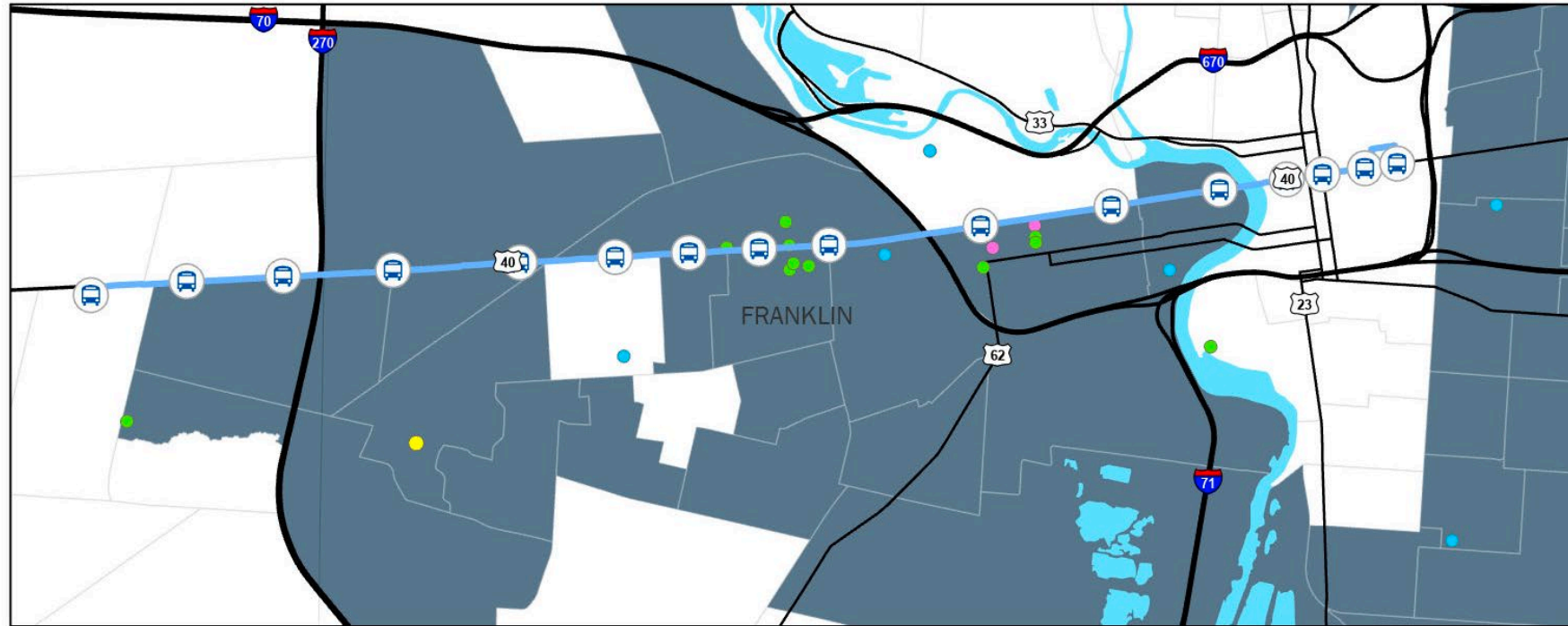


CPRG PHASE II: LINKUS

Climate Pollution Reduction Grant (CPRG) Program | US EPA







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Building Type

- Government
- Library
- Lot
- Nonprofit
- Schools

LinkUS

-  LinkUS
-  LinkUS Corridor
-  County Boundary
-  County Boundary

Roads

-  Interstate
-  U.S. Route

Rivers

-  Water

Justice 40 Status

-  Disadvantaged
-  Partially Disadvantaged
-  Not Disadvantaged



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NEXT STEPS

Comprehensive Climate Action Plan





CSS UPCOMING NEEDS & BEYOND

Comprehensive Climate Action Plan (CCAP)

- Due Summer / Fall 2025
- Covers ALL significant GHG sources and sinks in the Columbus MSA
- Establish near-term and long-term GHG emission reductions goals
- Will expand upon the existing PCAP & Columbus Climate Action Plan
- **Provide a plan and establish a need for new federal funding opportunities throughout the MSA**

CCAP Required Components

- GHG inventory
- Emissions projections
- Reduction targets
- Benefits analysis
- LIDAC benefits analysis
- Review of authority to implement
- Plan to leverage federal funding
- Workforce planning analysis



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CSS UPCOMING NEEDS & BEYOND



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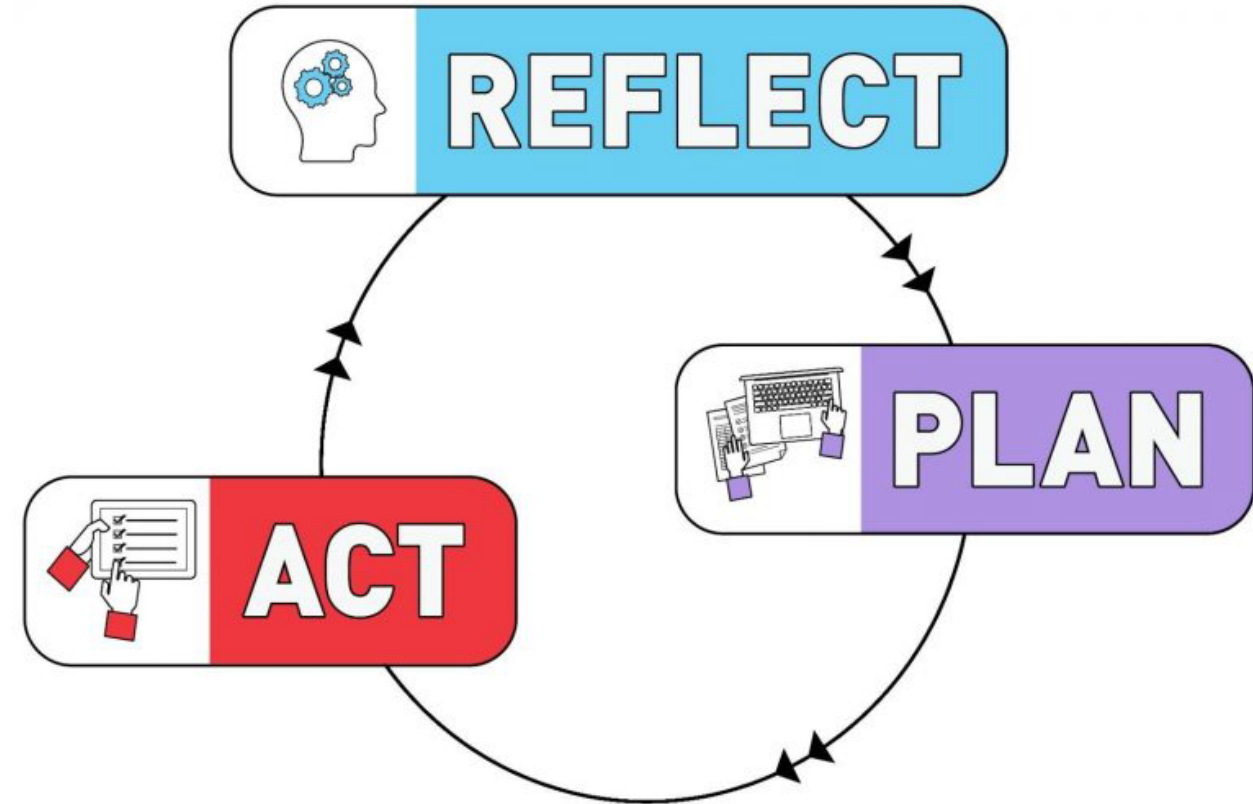
Discussion

Purpose:

- **Reflection** | Evaluation & Feedback
- **Planning** | Next Steps
 - Who should be involved?
 - Which measures should we consider?
 - Focus areas?

Questions:

- **Frequency of CSS meetings?**
- **Hybrid option?**





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THANK YOU

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**SUSTAINABLE
COLUMBUS**

ANDREW J. GINTHER, MAYOR

