



MID-OHIO REGIONAL PLANNING COMMISSION

111 Liberty Street, Suite 100
Columbus, Ohio 43215
morpc.org

T. 614. 228.2663
TTY. 1.800.750.0750
info@morpc.org

**NOTICE OF A MEETING
SUSTAINABLE2050 - HYBRID MEETING
Buckeye Conference Room
Mid-Ohio Regional Planning Commission
111 Liberty St., #100
Columbus, OH 43215
February 15, 2024, 9:30 – 11:00 a.m.**

AGENDA

- 9:30 a.m.** **Welcome and Introductions** – *Brandi Whetstone, MORPC*
- 9:35 a.m.** **MORPC Program Updates** – *Brandi Whetstone*
- State of the Region
 - Leaders Listen Housing Survey
 - Planner Pool
 - Certification Process and Regional Sustainability Agenda
 - Air Quality Program – Mauro Diaz Hernandez, MORPC
 - Clean Ohio Funding and Water Resources Planning – Edwina Teye, MORPC
- 9:55 a.m.** **Climate Pollution Reduction Grant: Phase 1 Plan and Phase 2 Implementation Funding** – *Bethany Bella, Sustainable Columbus, Brian Filiatraut, MORPC*
- 10:10 a.m.** **Leaders Listen Sustainability Survey: Results and Key Insights** – *Ethan Hug & Brandi Whetstone, MORPC*
- 10:25 a.m.** **Member Roundtable** - *All*
- 10:50 a.m.** **2024 Meeting Topics and Priorities** – *Brandi Whetstone*
- 11:00 a.m.** **Adjourn**

Please notify Brandi Whetstone at 614-233-4174 or bwhetstone@morpc.org to confirm your attendance at this meeting or if you require special assistance.

The next Sustainable2050 Meeting will be on May 8, 2024, at 9:30 a.m.

William Murdock, AICP
Executive Director

Chris Amorose Groomes
Interim Chair

Michelle Crandall
Interim Vice Chair

Ben Kessler
Interim Secretary



SUSTAINABLE2050 QUARTERLY MEETING

February 15, 2024



MID-OHIO REGIONAL
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PLANNING COMMISSION

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SUSTAINABLE2050 UPDATES



MORPC

Certification

May 3

2024 Deadlines

Contact Brandi Whetstone at
bwhetstone@morpc.org to
initiate the process.

August 14

November 13

SUSTAINABLE2050 UPDATES



Regional Sustainability Agenda (RSA)

Proposed Timeline:

- **May:** Confirm Sub-committee members and begin review
- **June:** Sub-committee meeting 1
- **July:** Sub-committee meeting 2
- **August:** Sub-committee meeting 3 (finalize)
- **September:** Present to SAC (9/18)
- **November:** Introduce to MORPC Board
- **December:** MORPC Board Adoption

REGIONAL SUSTAINABILITY AGENDA 2021–2024

**MID-OHIO REGIONAL
MORPC
PLANNING COMMISSION**

WHO WE ARE

The Mid-Ohio Regional Planning Commission (MORPC) is Central Ohio's regional council for more than 70 members comprised of counties, cities, villages, townships, and regional organizations. We take pride in bringing communities of all sizes and interests together to collaborate on best practices and plan for the future of our growing region.

SUSTAINABILITY ADVISORY COMMITTEE

The Sustainability Advisory Committee (SAC) is a top-level committee of MORPC's board and serves as the voice of sustainability. The SAC weighs in on important sustainability-focused programs and policies that have an impact on air quality, water resources, trails, energy, growth, and planning.

MORPC'S SERVICE AREA





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LEADERS LISTEN

TAKE OUR SURVEY
SCAN THE QR CODE BELOW



Housing Survey



The Columbus Dispatch

PLANNER POOL PROGRAM

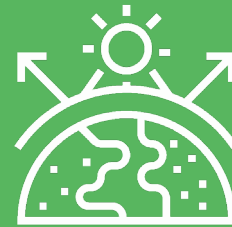
- Planning Staffing or Project Assistance
- Sustainability Staffing or Project Assistance



**Sustainability &
Climate Planning**



**Community
Action/Implementation
Plans**



**Greenhouse Gas
Inventories/Reduction
Measures**



<https://www.morpc.org/planner-pool-program/>

Scan the QR code or follow the link above for more information.

*Contact Jonathan Miller (jmiller@morpc.org) if you have any questions.

Sustainable 2050: Air Quality Program Updates

Mauro Diaz-Hernandez
February 15, 2024



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EPA CLEAN PROJECT UPDATES



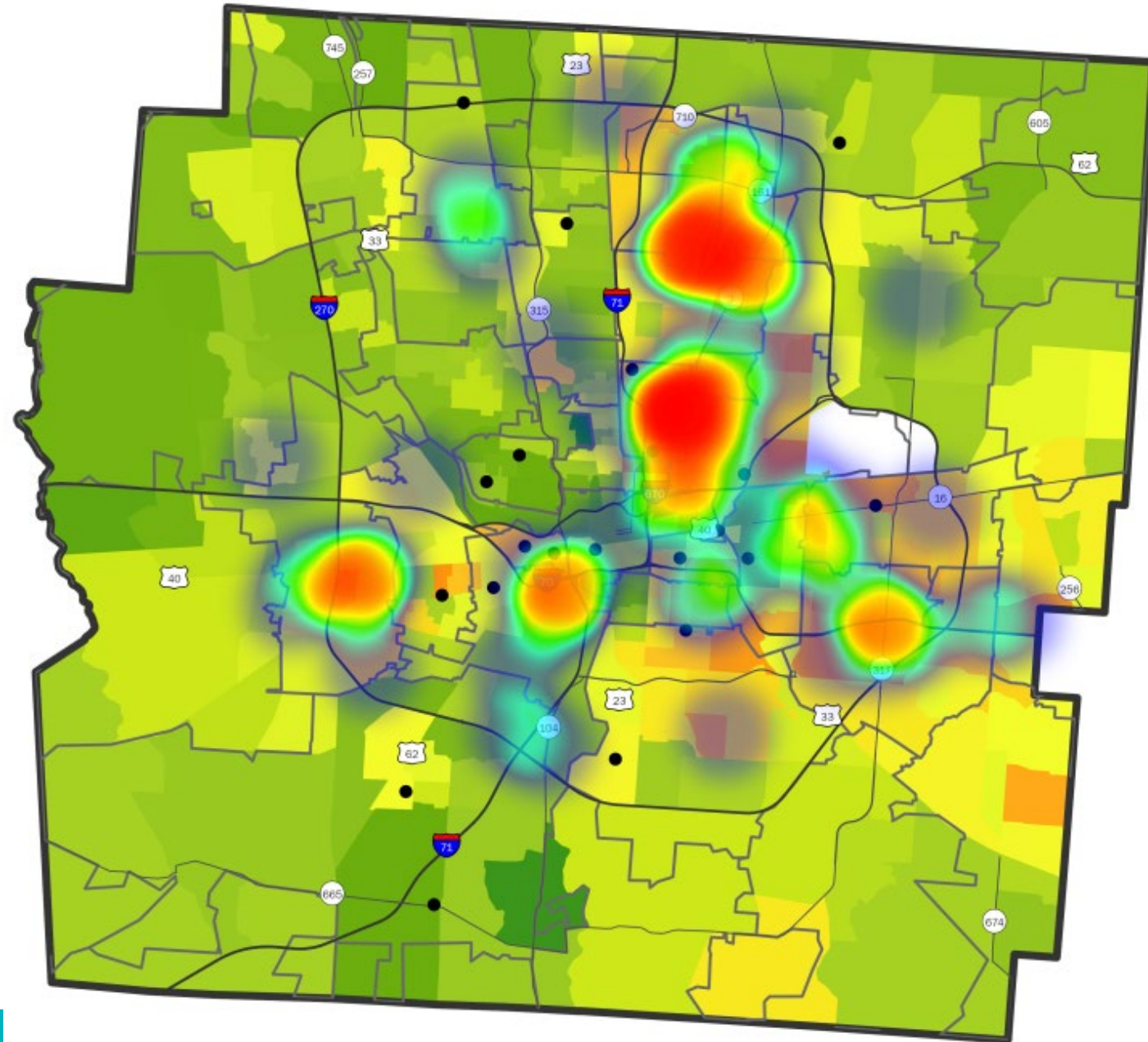
MORPC

- **“Community Led Enhanced Air Quality Network” (CLEAN)**, co-led by MORPC and Franklin County Public Health
- **Collocating (calibrating) 40 PurpleAir sensors** against the EPA’s monitors to test performance
- Crafting **outreach materials and plan**
- **Assembled a Project Advisory Committee (PAC)** of 14 Franklin County professional- and community-leaders
- Engaging the **PAC on sensor siting**



EPA PAC HEAT MAP

- **Responses collected from our Project Advisory Committee between December 2023 and January 2024**
- Next steps:
 - MORPC analysis to determine representative sensor placement
 - Working with PAC on outreach to potential site hosts
 - Interested in hosting? Let me know!

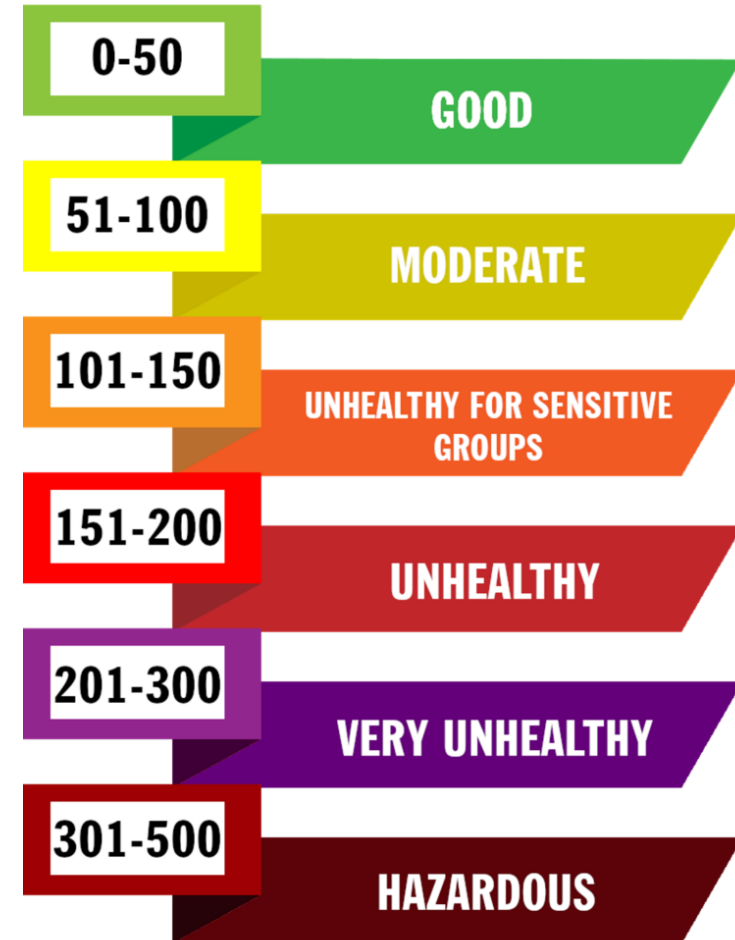


UPCOMING 2023 END OF SEASON REPORT



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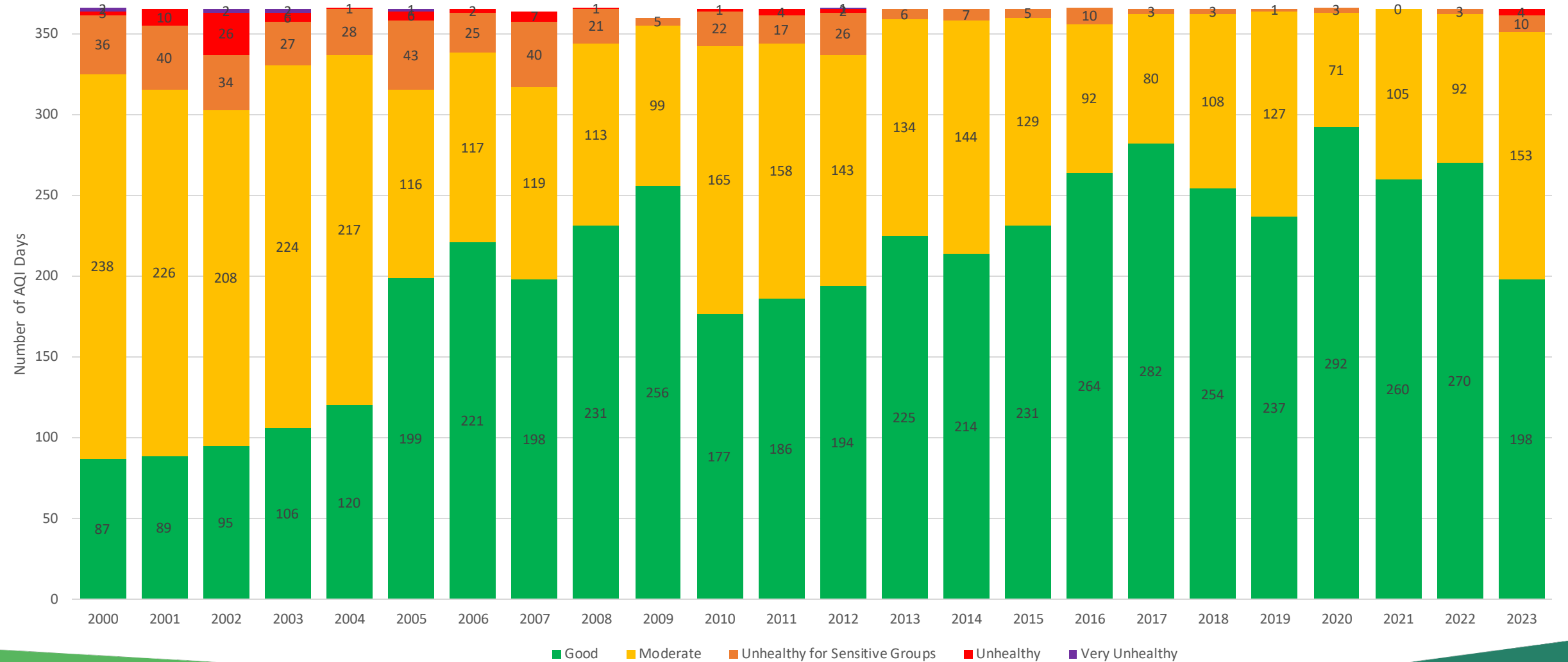
- **Release date: March 1**, coinciding with start of 2024 ozone monitoring season
- **11 Air Quality Alerts issued** in the monitoring season
 - PM2.5 was the primary pollutant of concern on 9 of the occasions
- **Ozone: Four days with Unhealthy for Sensitive Groups Air Quality Index (AQI) levels** were observed during the ozone forecast season - the most recorded since 2016.
- **PM2.5: Two days with Unhealthy for Sensitive Groups AQI levels and three days with Unhealthy AQI levels** – the first time in 12 years we've seen this category in Columbus.



LONG-RANGE LOOK AT AIR QUALITY



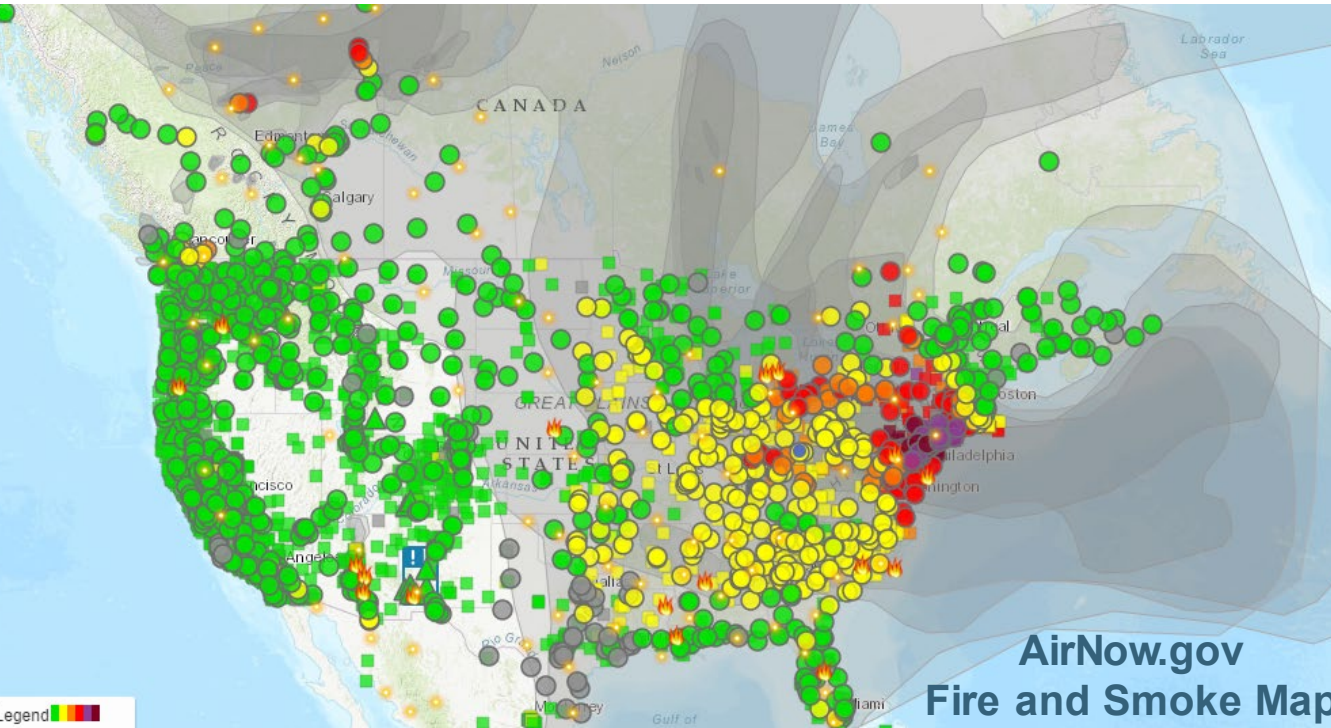
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WILDFIRE EFFECTS ON COLUMBUS AIR QUALITY



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NEW EPA PM 2.5 STANDARD



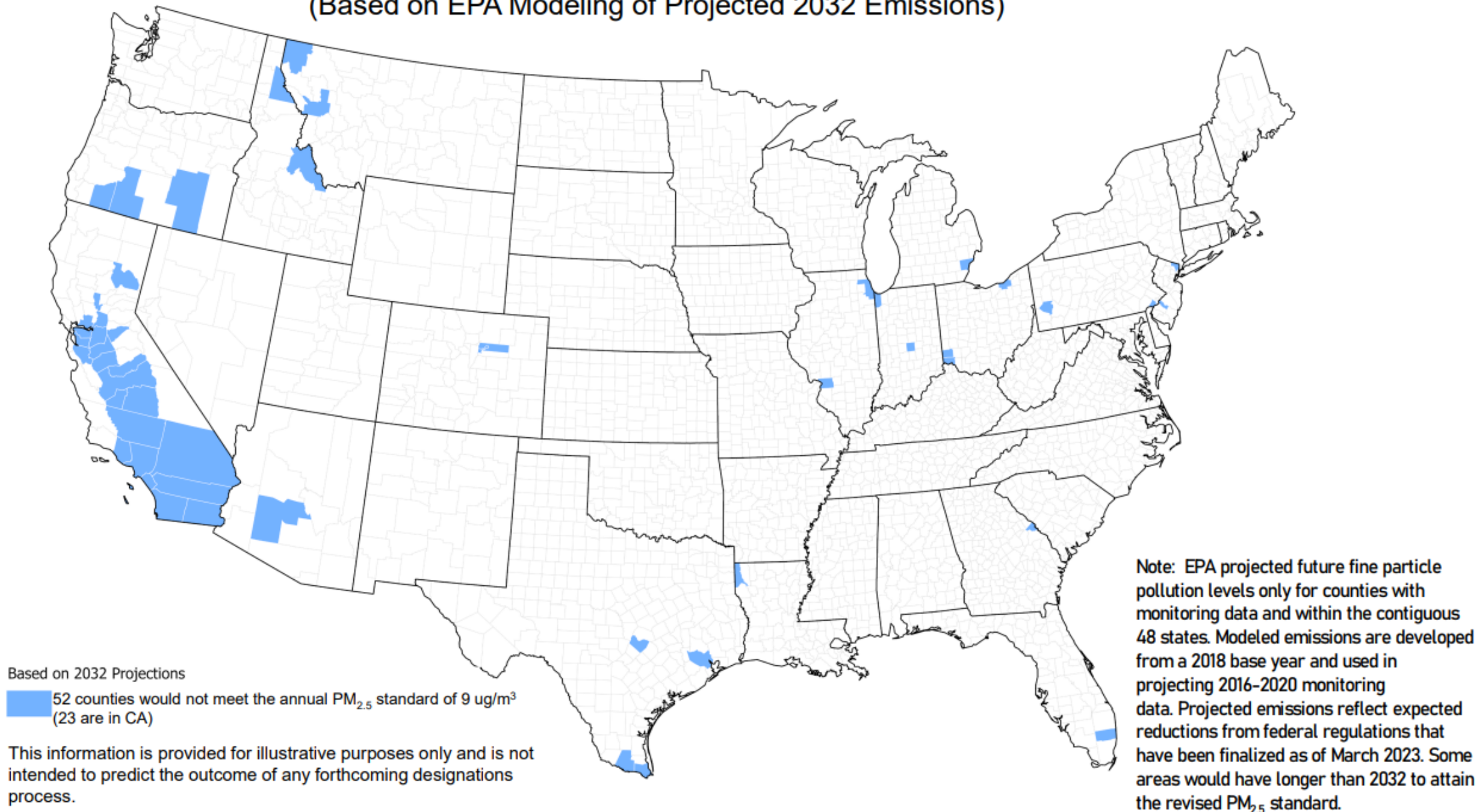
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- February 7, 2024, the EPA revised the level of the primary (health-based) annual PM_{2.5} standard to 9.0 micrograms per cubic meter (µg/m³); previously this was 12 µg/m³.
- EPA estimates that the new standard will prevent “an estimated 4,500 premature deaths every year and ultimately yield \$46 billion in net health benefits annually.”
- What does this mean for Ohio?
 - Most areas are already in attainment and projected to continue to be in attainment in 2032.
 - Cuyahoga, Hamilton, Montgomery, and Stark Counties are currently in nonattainment but will be given 3 years to reach the new standard.

Ohio	Allen County	6.4
Ohio	Athens County	5.9
Ohio	Clark County	8.4
Ohio	Cuyahoga County	9.3
Ohio	Franklin County	8.8
Ohio	Hamilton County	10.5
Ohio	Lake County	6.4
Ohio	Lawrence County	8.1
Ohio	Medina County	6.6
Ohio	Montgomery County	9.4
Ohio	Preble County	8.1
Ohio	Stark County	9.2
Ohio	Summit County	8.4
Ohio	Trumbull County	7.4

EPA Projects More than 99% of Counties would Meet the Revised Fine Particle Pollution Standard

Projection of Counties with Monitors that would not Meet in 2032 (Based on EPA Modeling of Projected 2032 Emissions)



MAURO DIAZ-HERNANDEZ, MPH

Air Quality & Sustainability Program Coordinator
Mid-Ohio Regional Planning Commission

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mdiazhernandez@morpc.org

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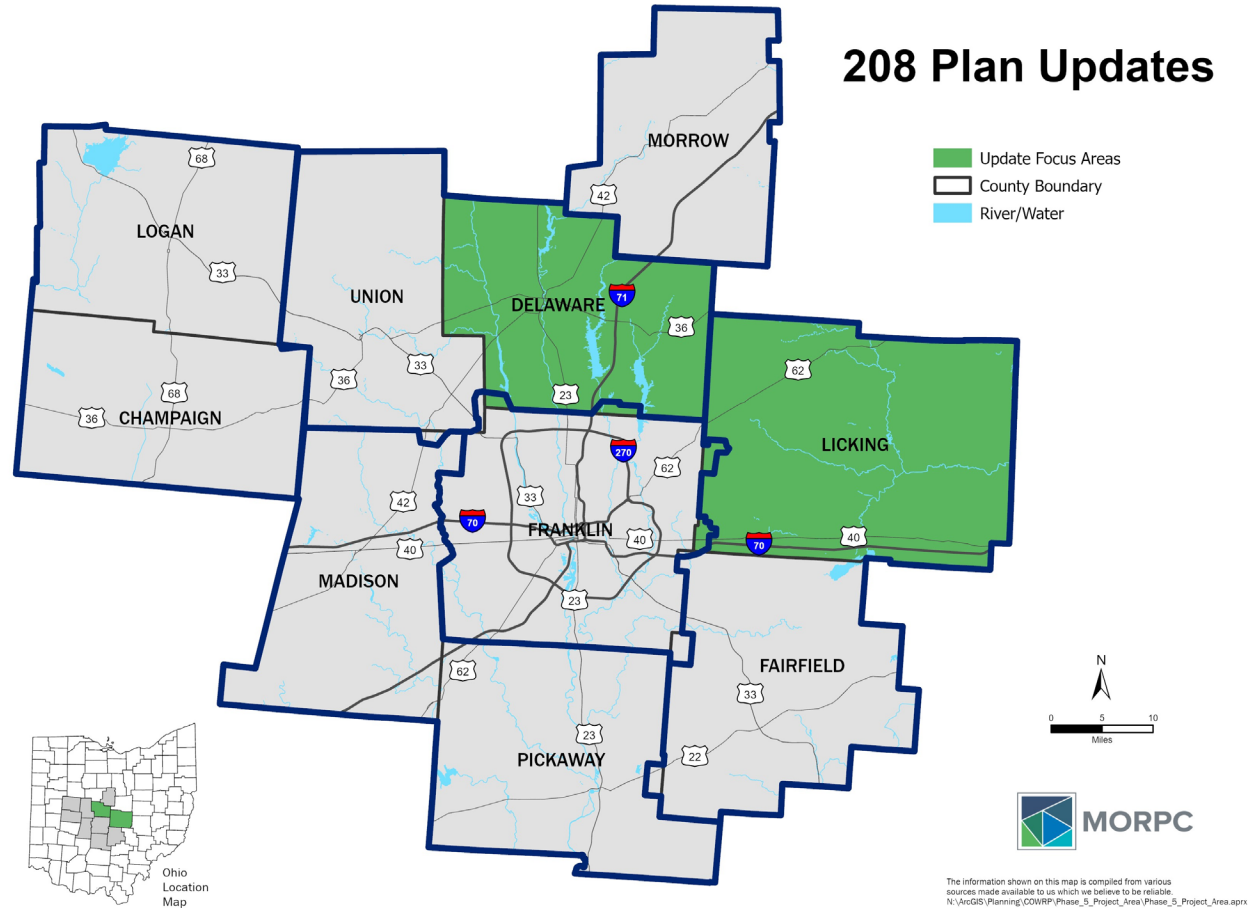
WATER RESOURCES UPDATES

Edwina Teye, MORPC
Feb. 15, 2024



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WATER QUALITY MANAGEMENT (208) PLANS



- Identify and confirm Facility Planning Areas (FPAs) in Delaware and Licking Counties.
- Support Ohio EPA outreach efforts on public review process of the draft 208 Plans.
- Generate a GIS data layer of central Ohio planning areas for [online map](#).

REGIONAL WATER STUDY



- Focus on MORPC 15-county service area
- Focused on examining existing and future water supply.
- Identify creative strategies on how to capture, conserve, and reuse water.
- Monthly webinars that provide opportunities to update key stakeholders and get feedback.

CLEAN OHIO CONSERVATION FUND



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\$5.8 million is available to Franklin County

Preliminary Screener Application: Due June 3, 2024

Submit to: Edwina Teye, 614-233-4233, eteye@morpc.org

Final Application: August 30, 2024

Call for Nomination on NRAC Committee:

- Group 1 Local Governments
- Group 2 Environmental Groups
- Group 3 **Park System**
- Group 4 **Agriculture & Forestry**
- Group 5 **Business, Realtors & Planning**



Edwina Teye, Ph.D.

Water & Natural Resources Program Manager

Mid-Ohio Regional Planning Commission

eteye@morpc.org



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CPRG: PHASE 1 PLAN + PHASE 2 FUNDING

February 15, 2024

US EPA Climate Pollution Reduction Grants (CPRG) Program

Brian Filiatraut, MORPC Energy & Sustainability Program Manager

bfiliatraut@morpc.org



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CLIMATE POLLUTION REDUCTION GRANT (CPRG) PROGRAM



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CPRG Program Goal:

To assist in the development and implementation of strong pollution reduction strategies

Phase I: Planning Grants

- \$250 million to states and metropolitan statistical areas (MSAs)

Phase II: Implementation Grants

- \$4.6 billion to put plans into action

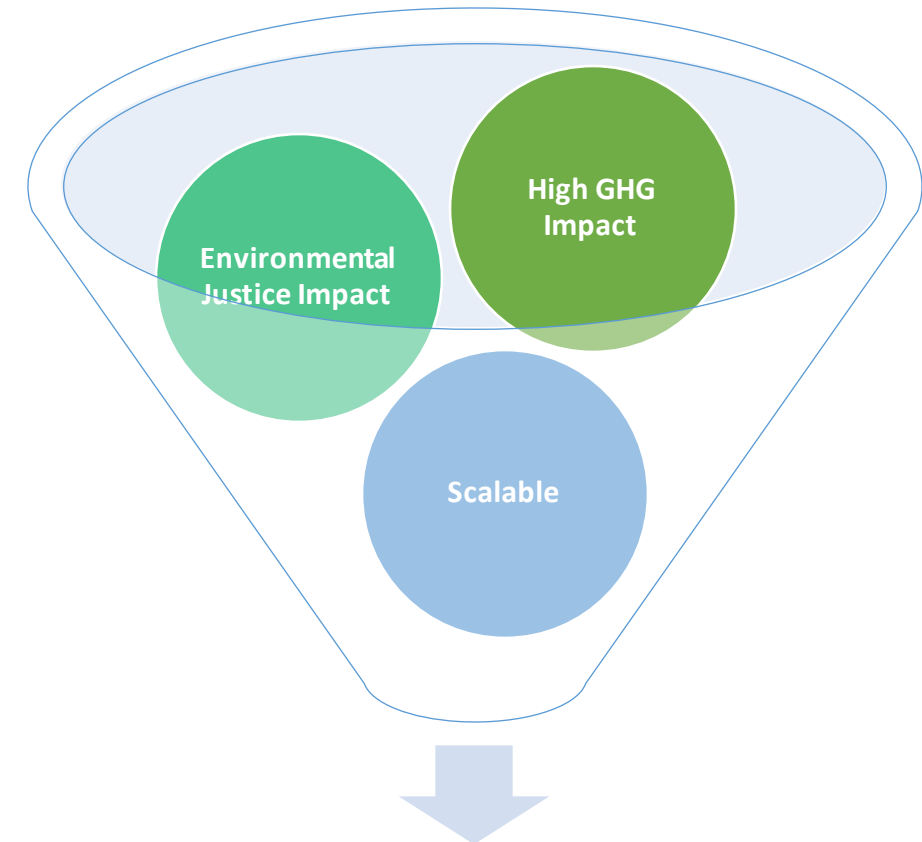
CPRG PHASE 1 WORK

Climate Pollution Reduction Grant (CPRG) Program | US EPA



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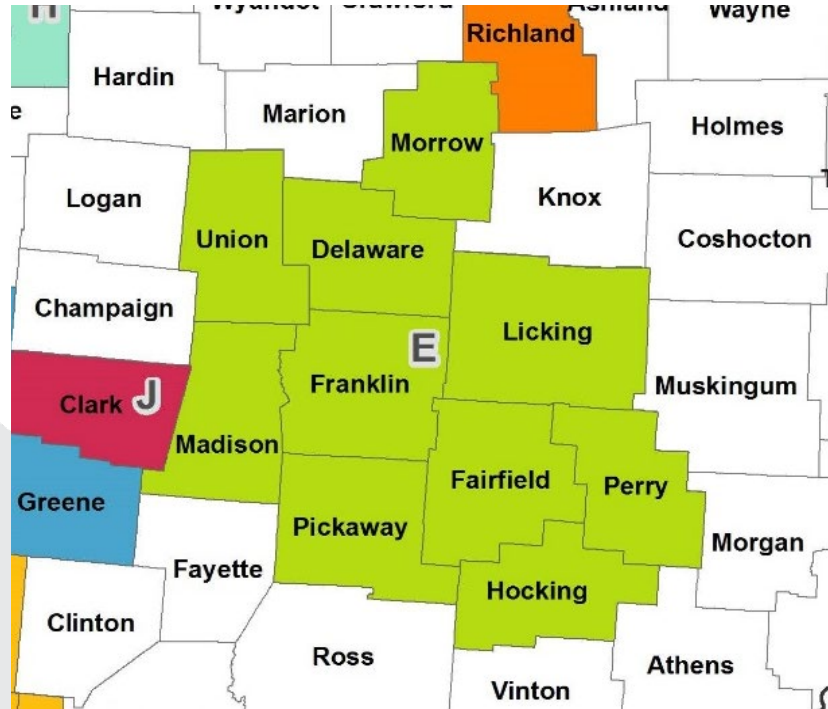
- Input on Pollution Reduction Strategies – Summit on Sustainability, CPRG Strategy Subcommittee (CSS), December CPRG Projects Surveys
 - High GHGe reduction impact
 - Low-Income Disadvantaged Community (LIDAC) impact
 - Scalable / Replicable throughout 10-county MSA
- Priority Climate Action Plan (PCAP)
 - PCAP deadline = March 1
 - Regional GHG Inventory
 - OSU's LIDAC Benefits Analysis
 - Review of Authority
 - Draft Priority Measures



Regional Narrative / Application

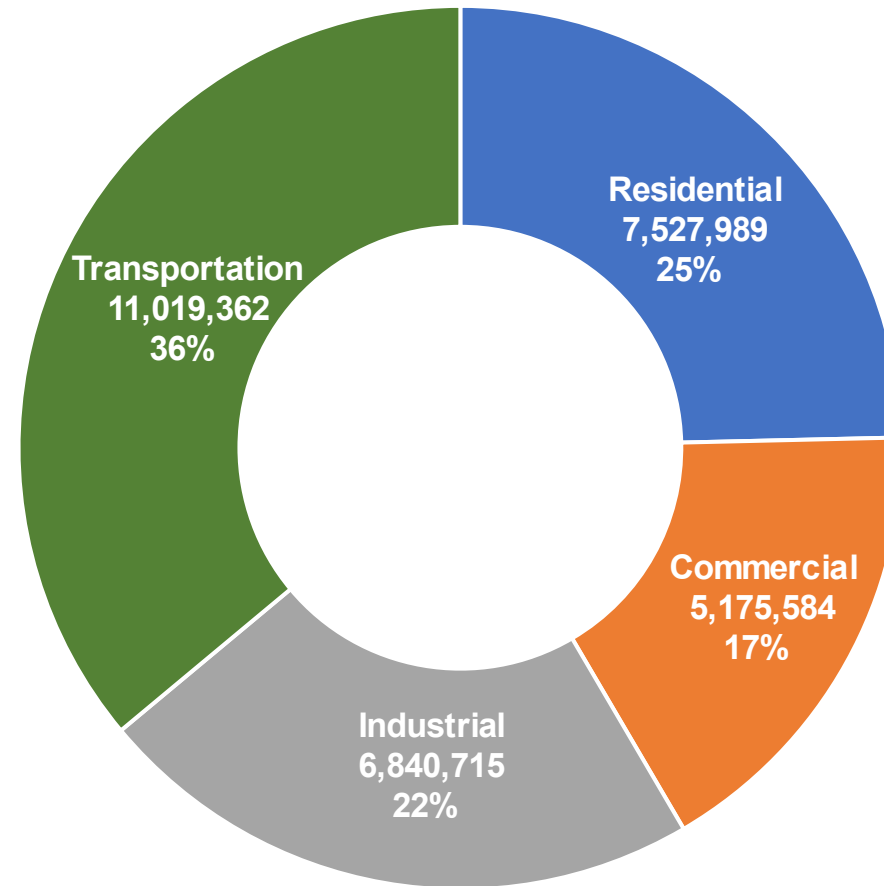
UPDATED GHG EMISSIONS

By MSA by Sector



10-County Columbus
Metropolitan Statistical Area (MSA) (in green)

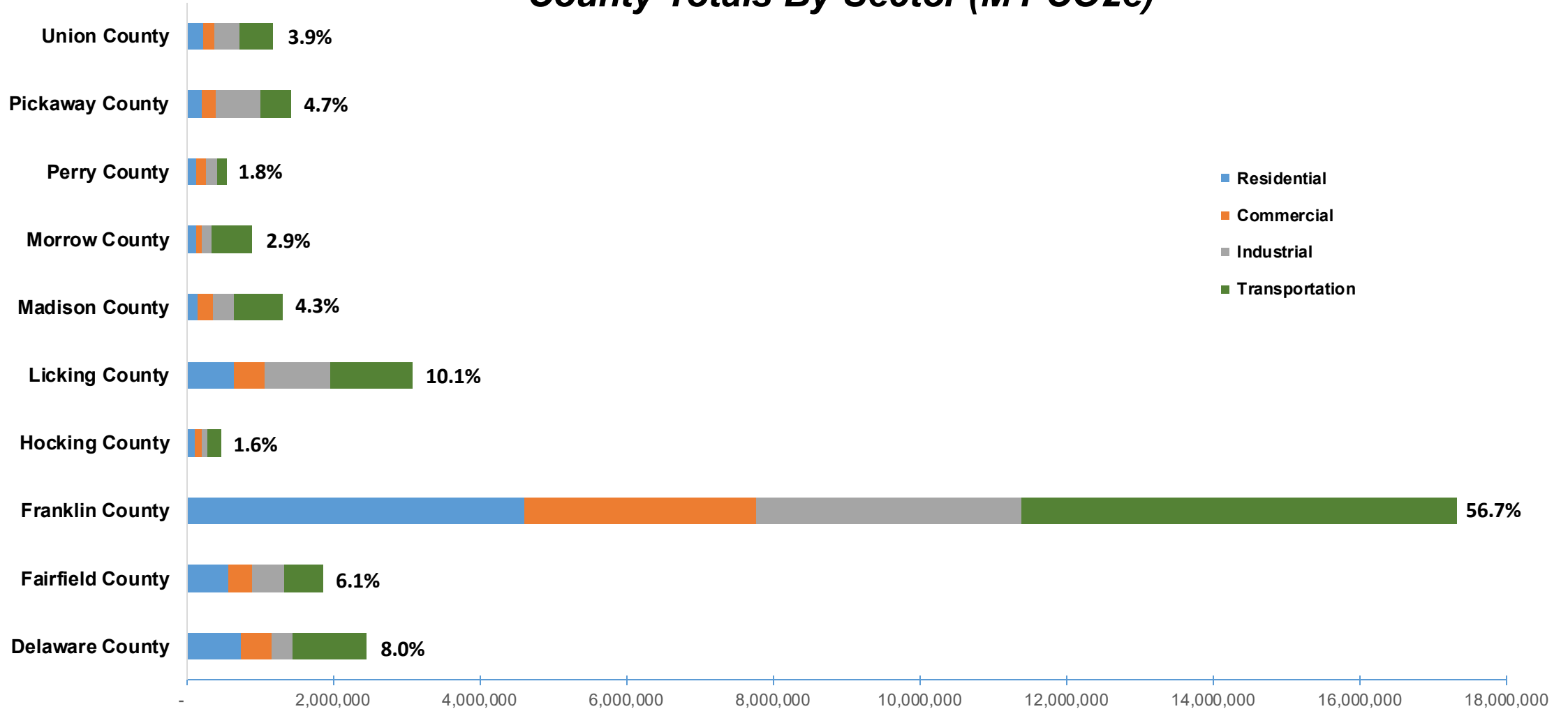
Columbus MSA GHG Inventory MSA Sector Totals (MT CO₂e)



UPDATED GHG EMISSIONS

By County by Sector

Columbus MSA GHG Inventory *County Totals By Sector (MT CO₂e)*



PCAP COMPONENTS

Draft Priority Measures



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

PCAP COMPONENTS

Draft Priority Measures



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Grantees should include the following information for each GHG reduction measure:

Estimate of the quantifiable GHG emissions reductions *(e.g., through 2030 and 2050)*

Implementing agency or agencies

Milestones for obtaining implementing authority, as appropriate

Implementation schedule and milestones

Geographic location *(if applicable)*

Funding sources *(if relevant)*

Metrics for tracking progress

Applicable GHG sector *(e.g., solid waste management, electricity generation)* (optional)

Quantitative cost estimates (optional)

CPRG PHASE 1 FINAL STEPS

Climate Pollution Reduction Grant (CPRG) Program | US EPA



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- Finalize PCAP Draft Measures
- Finalize LIDAC Engagement
 - Cost and Benefits Analysis
- Finalize Review of Authority

PCAP DUE IN 2 WEEKS

CPRG PHASE 2 PITCH PROPOSALS

Climate Pollution Reduction Grant (CPRG) Program | US EPA



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- Regional Community Energy Strategy (ReCES)
 - MORPC
- Central Ohio Food Rescue & Waste Reduction
 - City of Columbus + SWACO
- Central Ohio's Solar & Energy Efficient (COSEE) Home
 - MORPC
- LinkUS: West Broad Mobility
 - City of Columbus + COTA

CPRG PHASE 2 NEXT STEPS

Climate Pollution Reduction Grant (CPRG) Program | US EPA



MORPC

Regional leadership selected a combination of ReCES solar on public buildings and LinkUS W. Broad Mobility as the best fit for the region and for this grant opportunity


- CPRG community engagement and earlier engagement efforts show widespread support for transit options and solar on buildings, and for these two project concepts
- 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 an electric vehicle fleet
- ReCES makes large scale solar arrays affordable for libraries, schools, water utilities, and other public buildings
 - CPRG dollars would leverage the Columbus Region Green Fund and make solar more regionally available and scalable

ReCES VIRTUAL INFO MTG



Thursday, February 22 from 1:00 – 1:30 PM

- Tentative agenda:
 - Overview of CPRG Funding Opportunity
 - ReCES Overview
 - Next Steps
 - Q&A
- For final proposal *[due to US EPA on April 1]*, we will need:
 - Letter of support
 - Building inventory and electric billing
- If interested, please contact Brian Filiatraut, bfiliatraut@morpc.org

A background image showing a close-up of solar panels with a blue sky and white clouds in the background.

Free technical assistance
for participants:

- Solar feasibility assessment
- Letter of support template

BENEFITS OF PARTICIPATION

Energy Cost Savings

- Lower electricity rates at a fixed cost over 20+ yrs
- Use savings toward student services, staff stipends, electric fleets, or other programming

Environmental Benefits

- Improve air quality for schools / community
- Decrease greenhouse gases and air pollution

Curriculum Integration

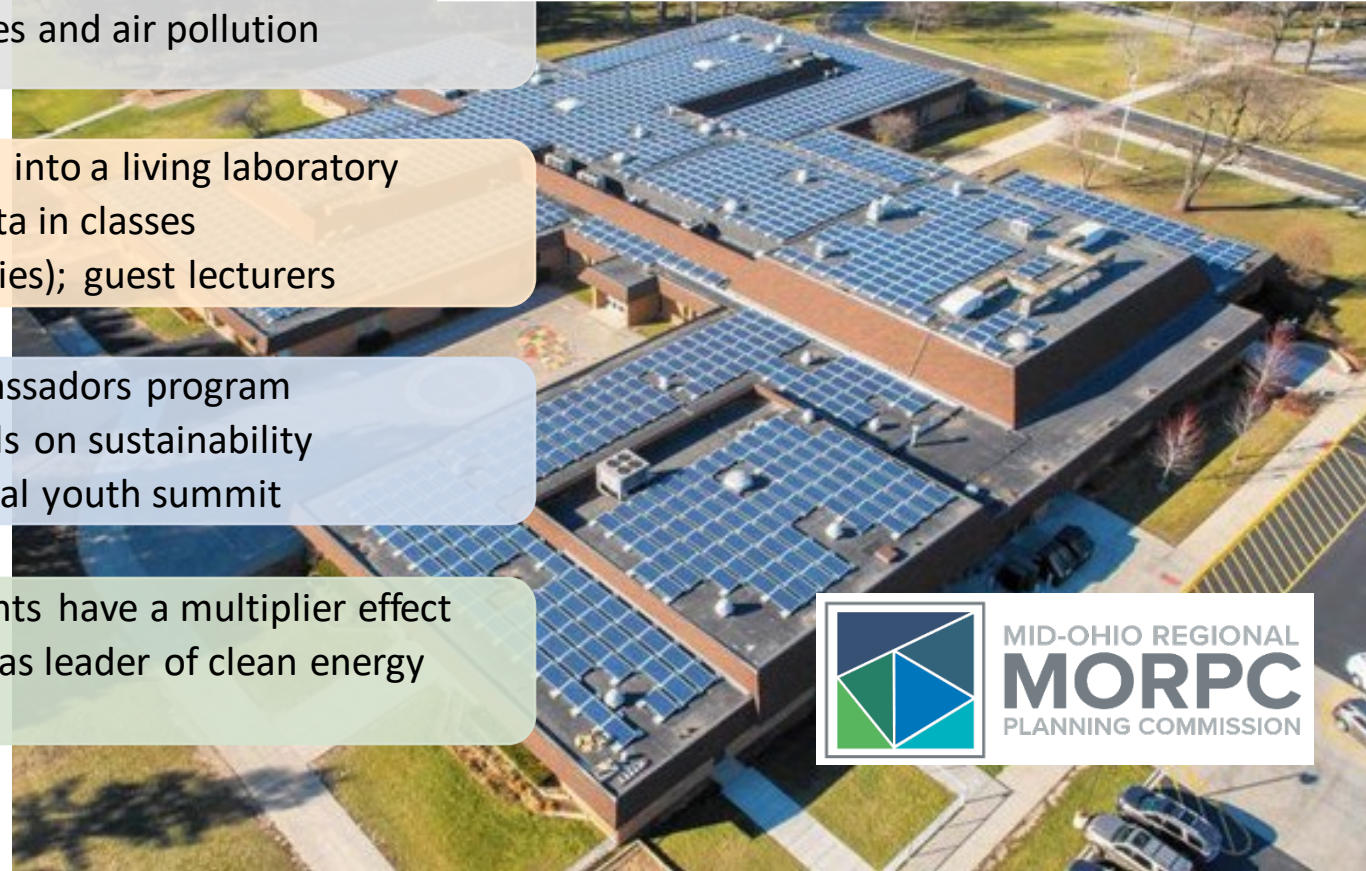
- Turn campus / community into a living laboratory
- Use on-site generation data in classes
- Faculty boot camp (PD series); guest lecturers

Student Leadership

- Start a sustainability ambassadors program
- Connect with other schools on sustainability
- Develop and host a regional youth summit

Public Awareness and Positive PR

- Schools & local governments have a multiplier effect
- Gain national recognition as leader of clean energy and healthy environment



THANK YOU

BRIAN FILIATRAUT

Energy and Sustainability Program Manager
Mid-Ohio Regional Planning Commission

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BETHANY BELLA

Climate Pollution Reduction Coordinator
Sustainable Columbus

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bnbella@columbus.org

910 Dublin Road
Columbus, OH 43215



**SUSTAINABLE
COLUMBUS**
ANDREW J. GINTHER, MAYOR





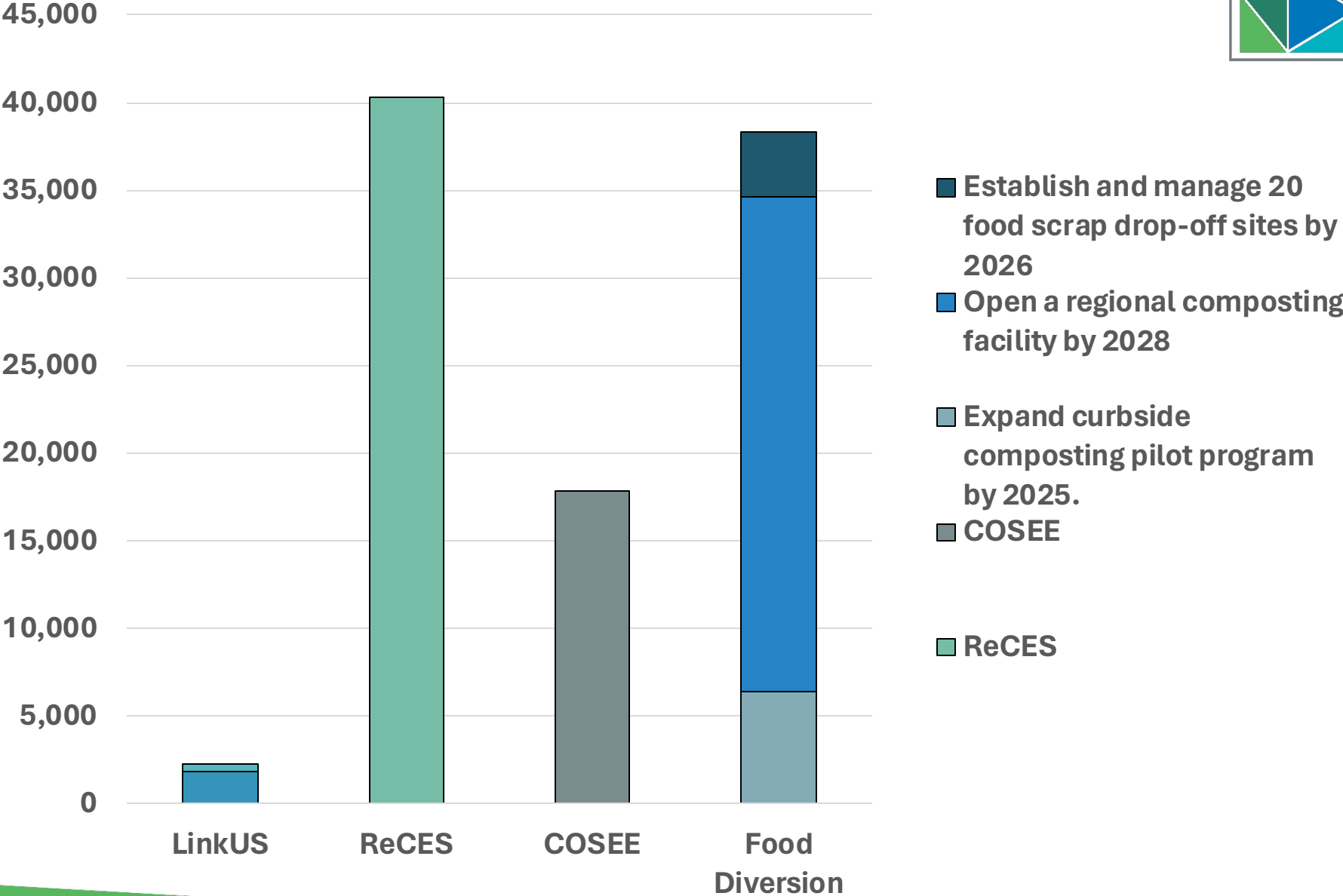
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APPENDIX

Emission Reductions 2025 - 2029 (MT CO2e)



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Project Summary

Project Name	Regional Community Energy Strategy (ReCES)
Leading Entities	MORPC, City of Columbus, Columbus Region Green Fund (CRGF), Impact Solar
Approximate Cost	\$37.6 Million – \$77.2 Million
<ul style="list-style-type: none">• Fund solar arrays on public buildings & space—schools, libraries, local governments, and water / wastewater treatment plants• Establish a power purchase agreement (PPA) to reduce the cost of solar installations and lower regional energy usage• Leverage private sector investment• 5-year program of either: 8MW, 25MW, or 50MW	



Project Summary

Project Name	Central Ohio Food Rescue and Waste Reduction
Leading Entities	City of Columbus, Columbus Public Health, SWACO
Approximate Cost	\$20 million

- Regional composting facility operated by SWACO to reduce greenhouse gas emissions.
- Establish and manage 20 new food scrap drop-off sites across Central Ohio for community engagement.
- Enhance food rescue capabilities by providing cold storage for non-profits to capture and distribute rescued food.
- Launch a pilot curbside household composting program in Columbus with potential for scalable replication in other communities.



Project Summary

Project Name	Central Ohio's Solar and Energy Efficient (COSEE) Homes
Leading Entities	MORPC, PICCA, IMPACTCA, LEADS, LFCAA, OHCAC, CRGF, BCAP, HAPCA, Impact Solar
Approximate Cost	\$25.5 Million
<ul style="list-style-type: none">• Increase capacity of existing home weatherization and energy efficiency programs to serve a larger LIDAC population• Establish a robust solar PPA to provide solar panels at no cost for households at 80% median income or less• Reduce residential GHG emissions by at least 20% for 2,141 units• Leverage private sector investment	



Project Name	West Broad Mobility
Leading Entities	COTA and City of Columbus
Approximate Cost	\$63 million

The West Broad LinkUS corridor and associated transportation initiatives will provide premium bus rapid transit and first mile/last mile mobility options. Each project has GHG benefits on top of public safety and transportation improvements.

BRIAN FILIATRAUT

Energy and Sustainability Program Manager

Mid-Ohio Regional Planning Commission

bfiliatraut@morpc.org

KARINA PEGGAU

Senior Sustainability Planner

Mid-Ohio Regional Planning Commission

kpeggau@morpc.org



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Leaders Listen: Sustainability

Ethan Hug, Senior Data Analyst

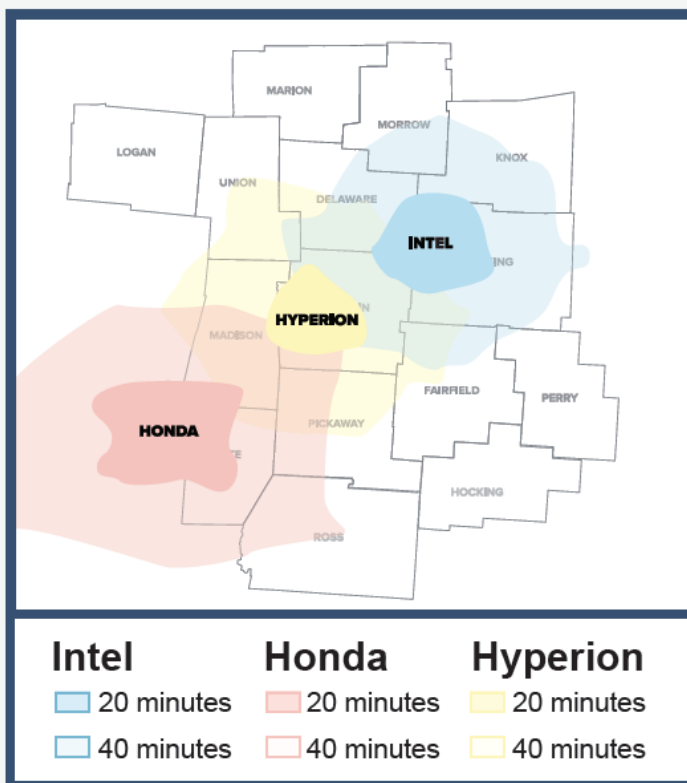


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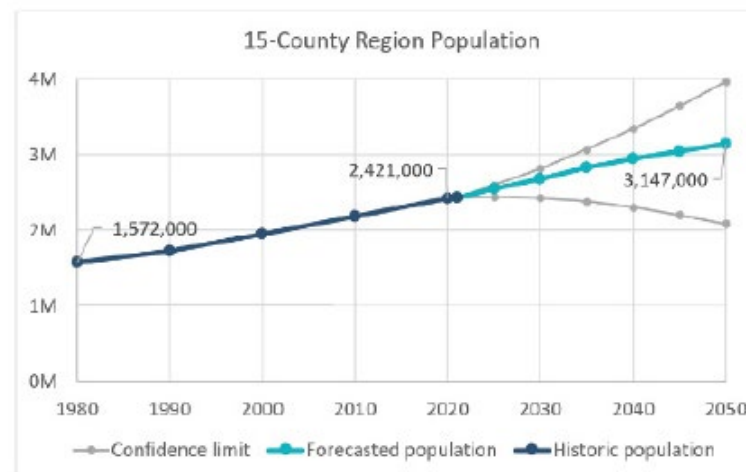


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Major Development Drive Times



Source: ESRI/MORPC 2023



POPULATION

2,421,000 in 2020

+726,000 (30%) by 2050

HOUSEHOLDS

928,000 in 2020

+272,000 (25%) by 2050

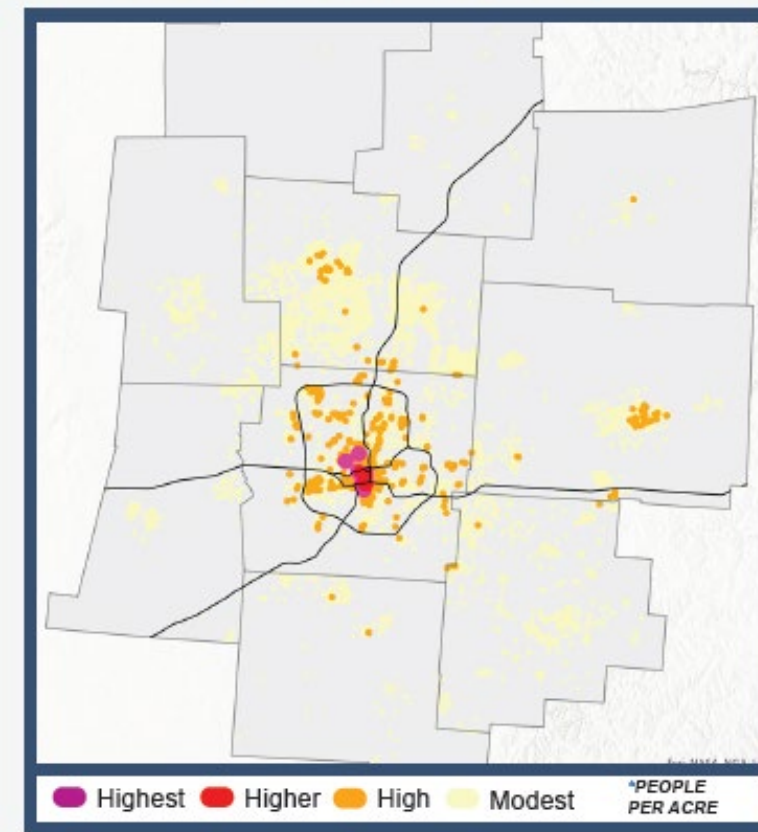
LABOR FORCE

1,263,000 in 2020

+357,000 (28%) by 2050

Source: MORPC 2050 Population Forecast 2023

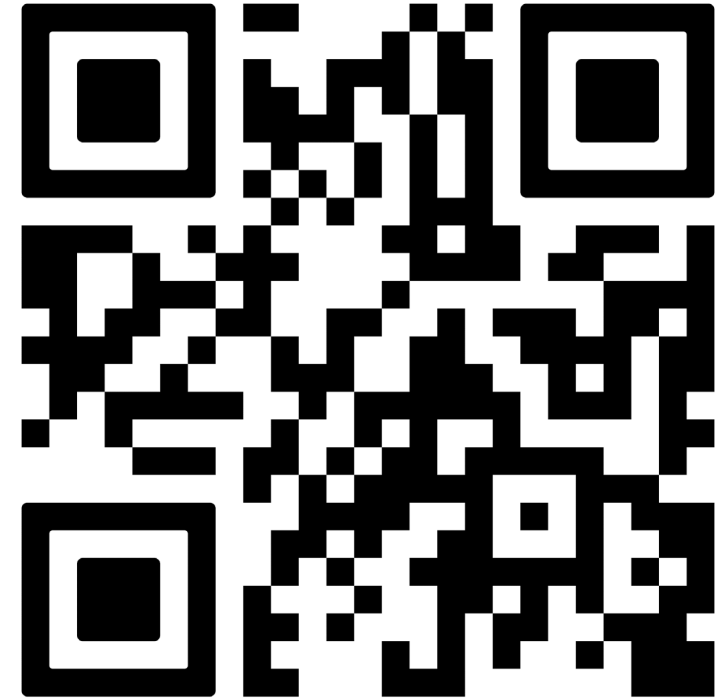
Projected Population Growth 2021 - 2050



Questions' Stems

- Air and Water Quality Concerns
- Climate Change
- Regional Sustainability investments
- Solar Energy development viability

Read the Reports

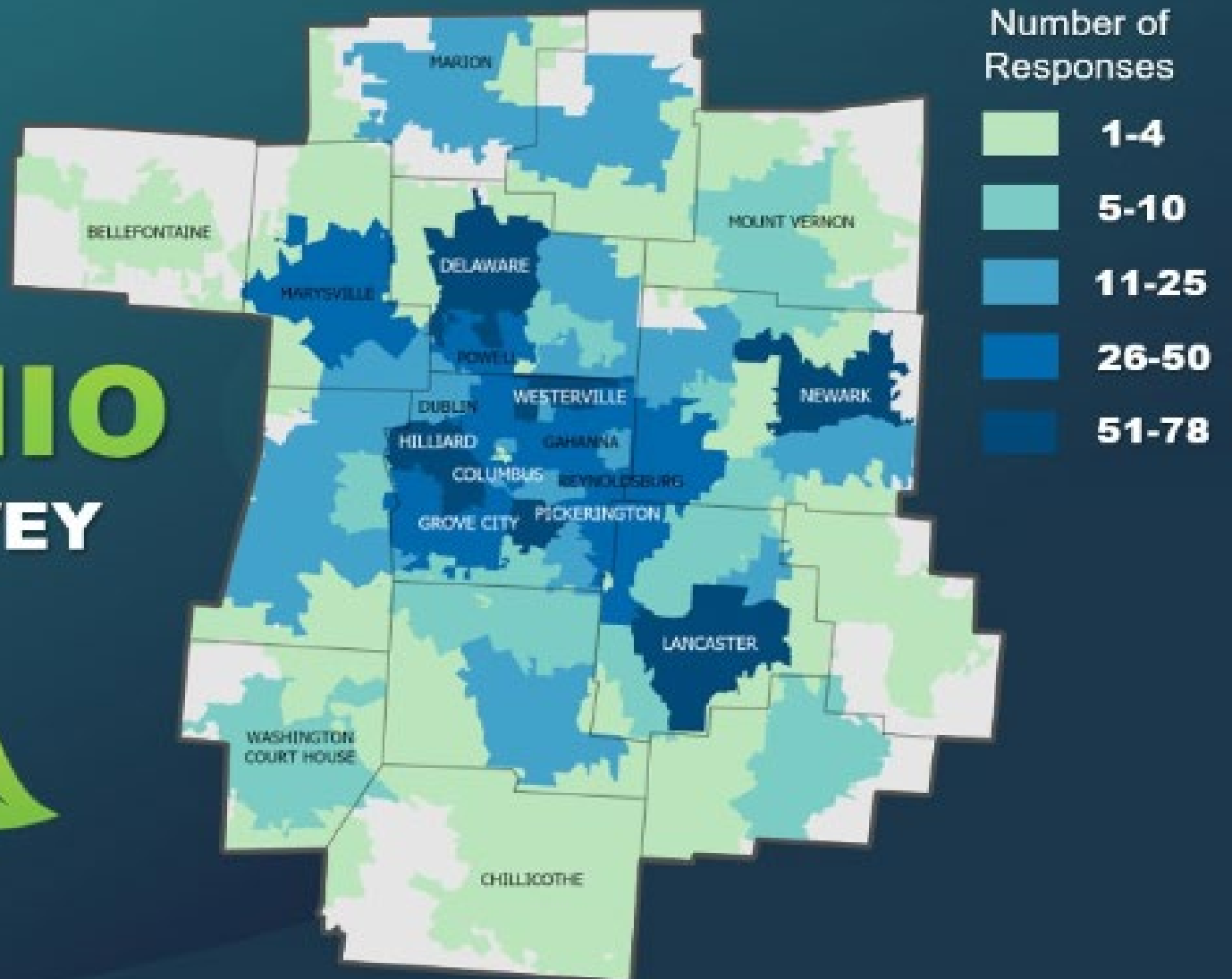


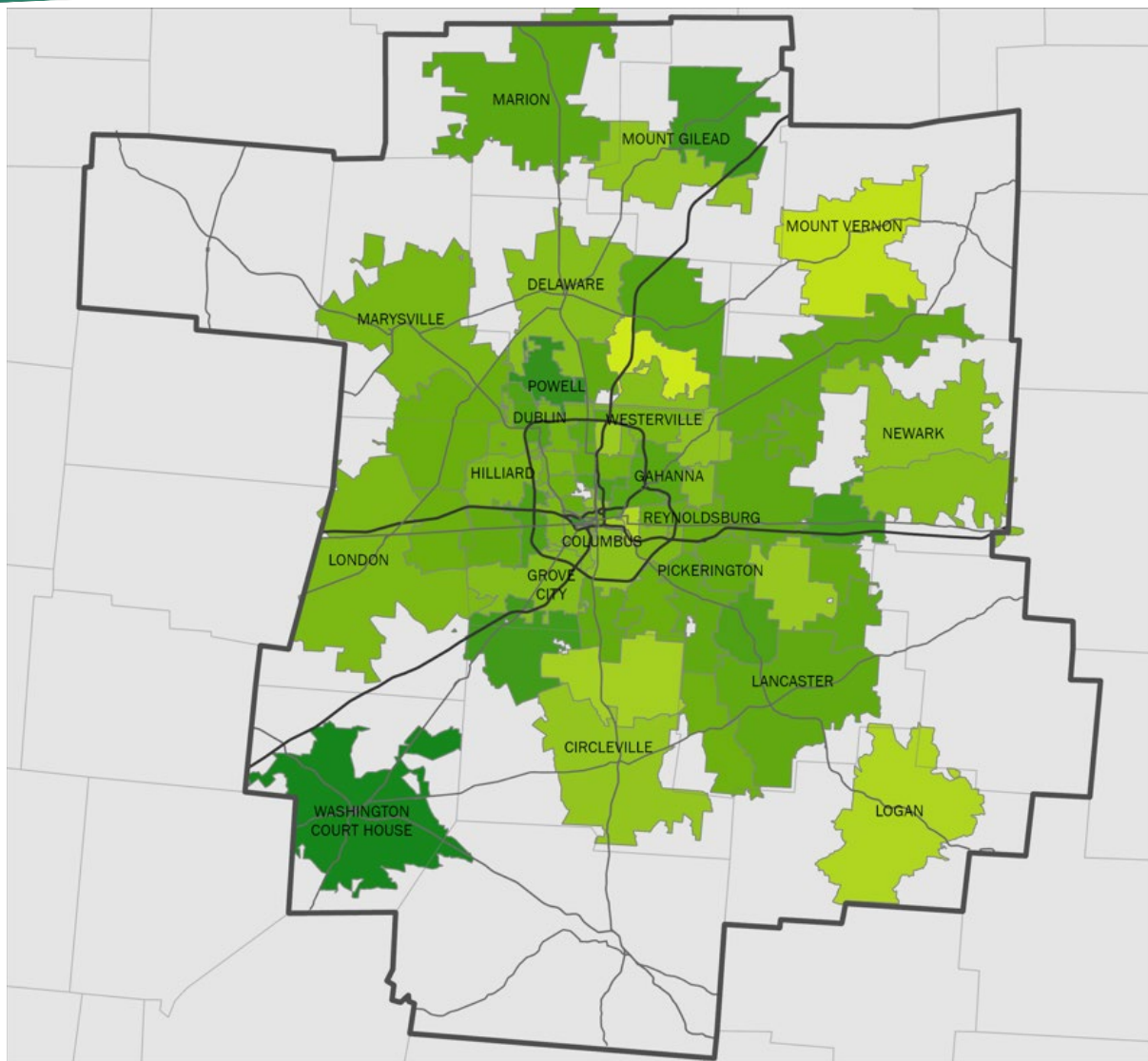
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CENTRAL OHIO

SUSTAINABILITY SURVEY RESPONDENTS



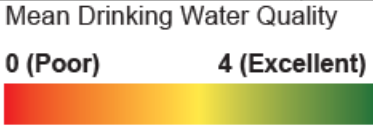
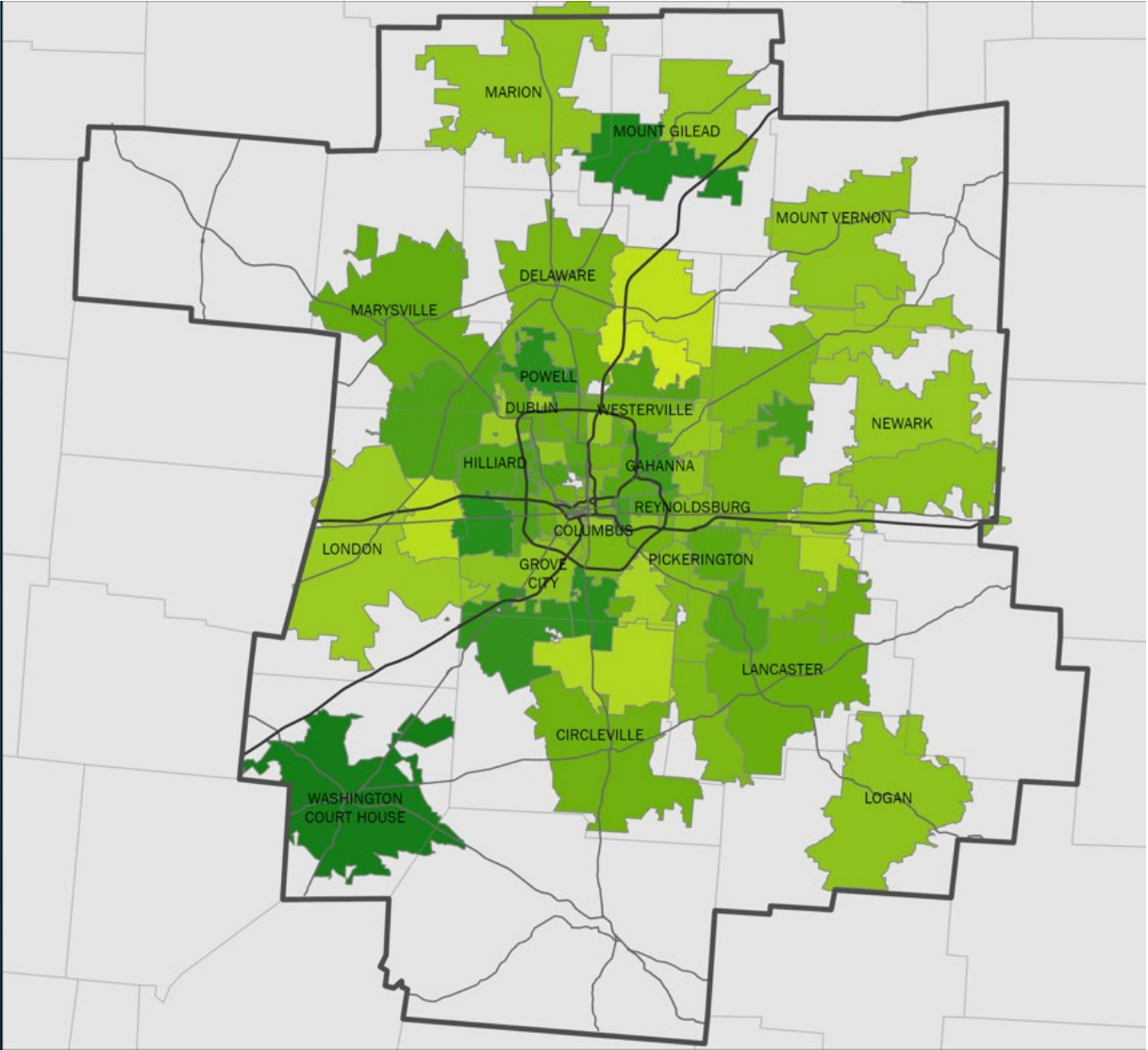


Mean outdoor Air Quality Ratings

0 (Poor)

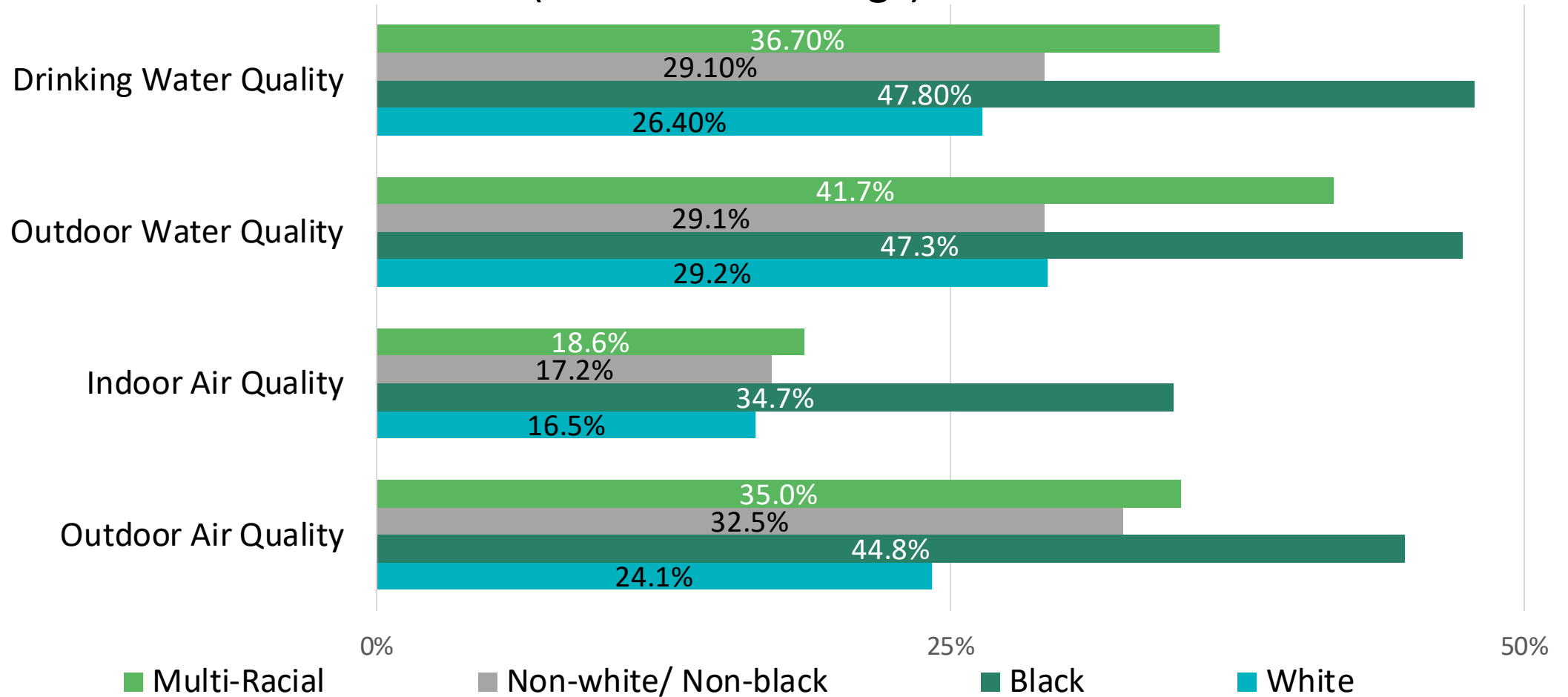
4 (Excellent)



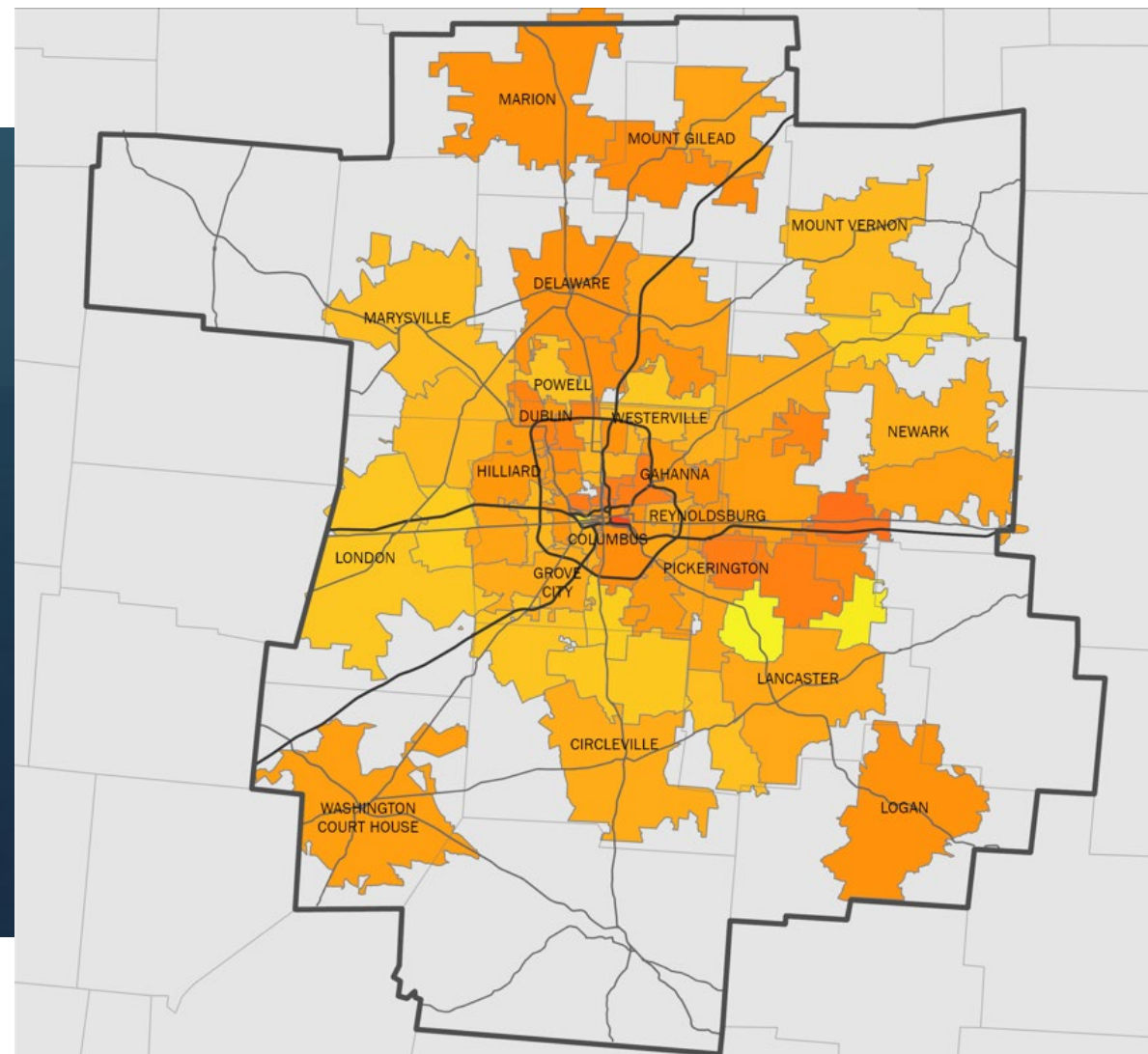


How would you rate the air and water quality in your neighborhood or residence?

(Poor or Fair ratings)



2/3
**ARE SOMEWHAT TO
EXTREMELY WORRIED
ABOUT CLIMATE CHANGE**

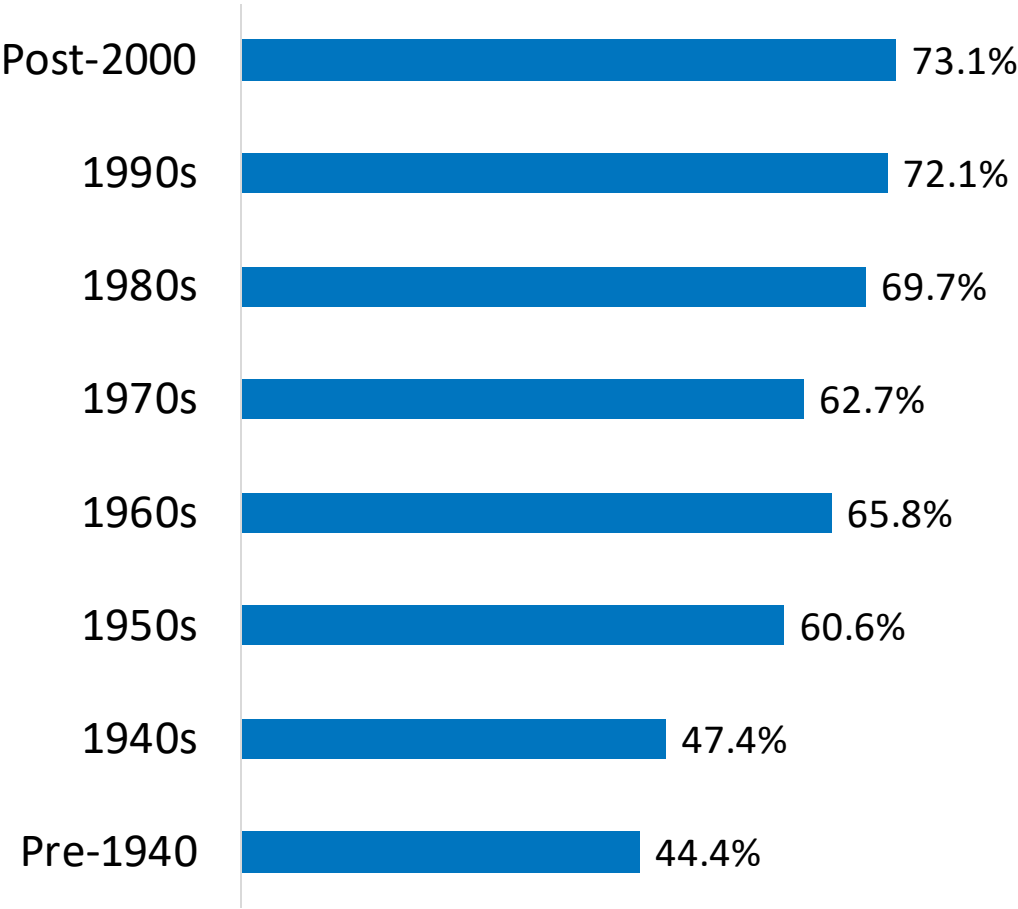


Mean Climate Change Worry Respondants

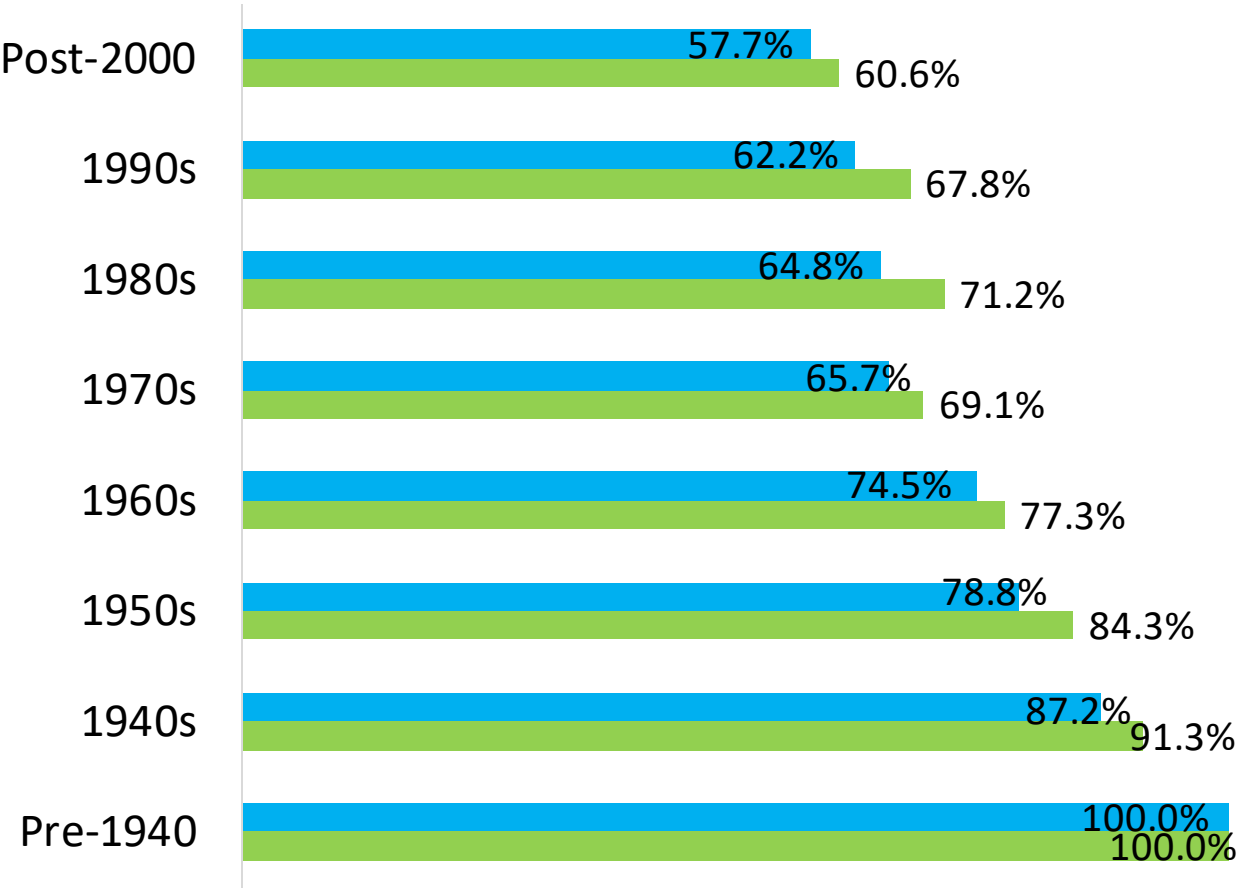
0 (Not At All) 4 (Extremely)



Perceptions by Decade of Birth



■ Climate Change Worry
Moderately to Extremely

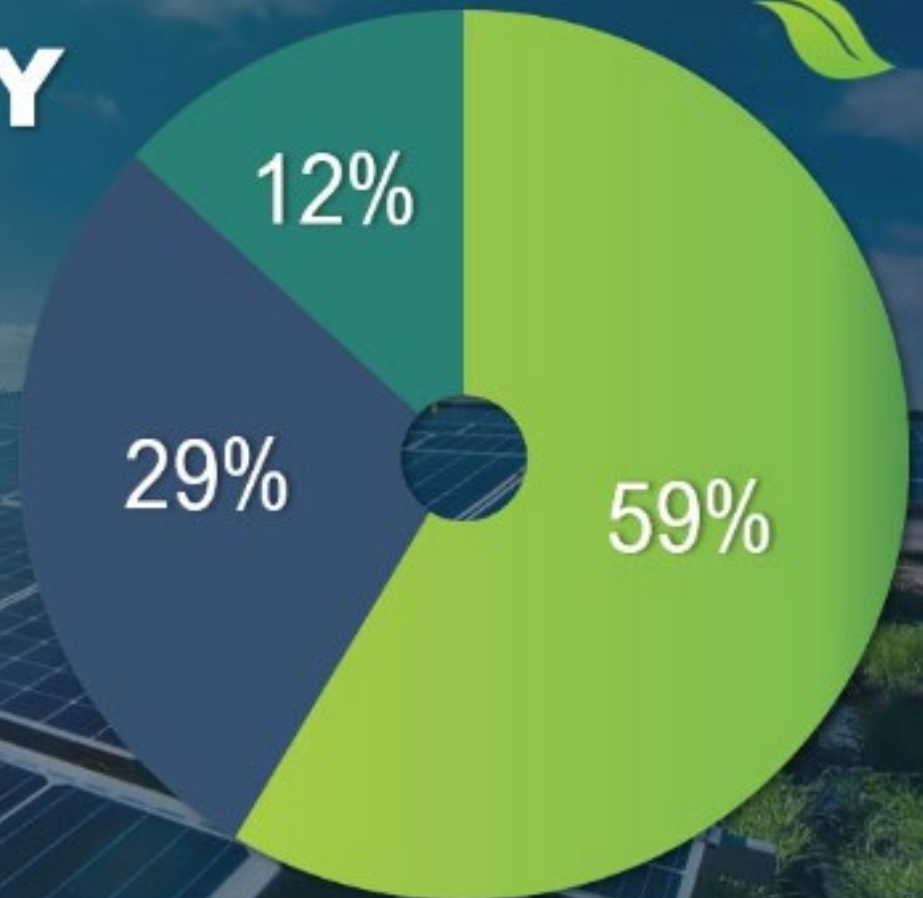


■ Environmental Water Quality
Good to Excellent

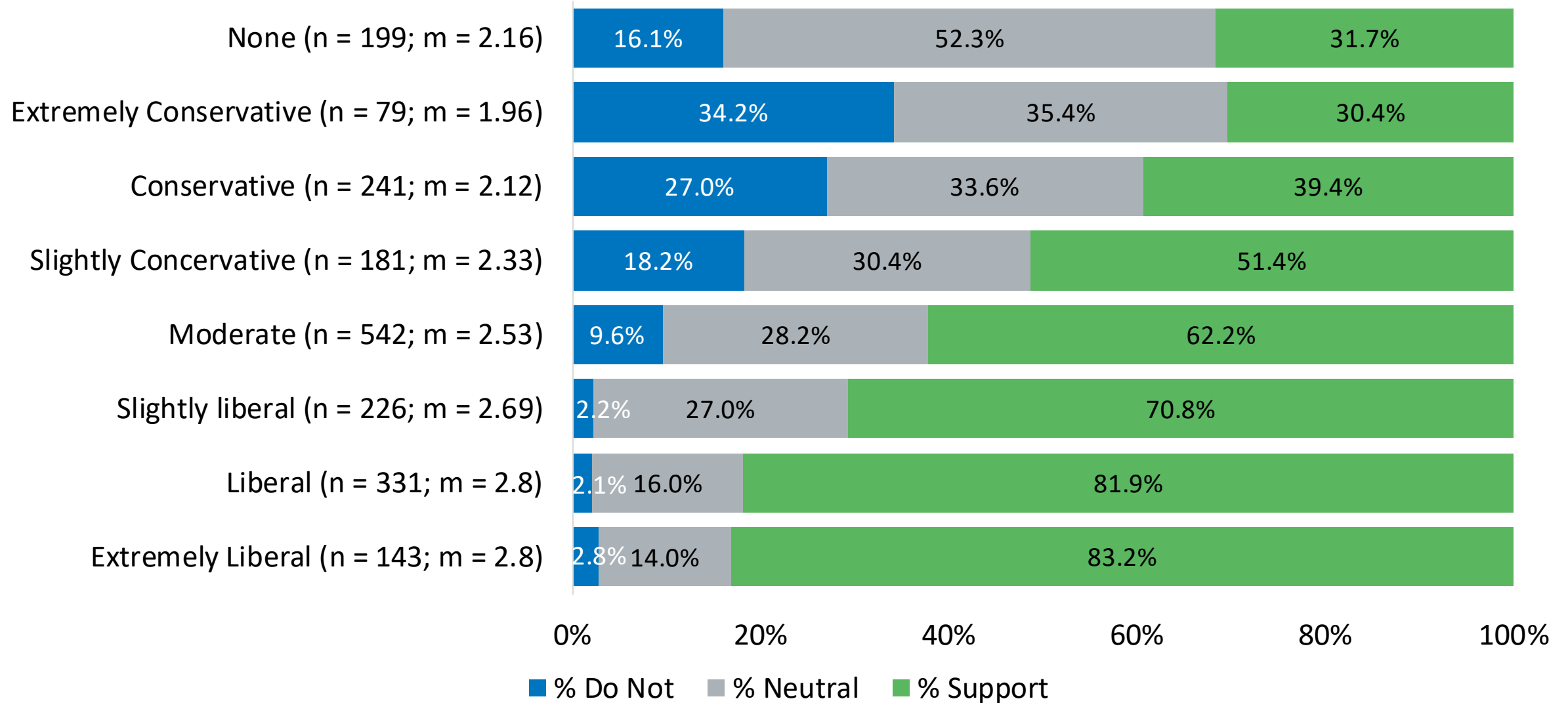
■ Outdoor Air Quality
Good to Excellent

SUPPORTING LARGE SOLAR PROJECTS IN YOUR COMMUNITY

 **DO SUPPORT**  **NEUTRAL**
 **DO NOT SUPPORT**



Do you support large scale solar projects in your community?



70%

FEEL LEADERS ARE NOT AT ALL TO ONLY MODERATELY ADDRESSING OUR ENVIRONMENT



Thank you



MORPC

LEADERS LISTEN

TAKE OUR SURVEY
SCAN THE QR CODE BELOW



Housing Survey



MID-OHIO REGIONAL
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Measurement
Resources

The Columbus Dispatch

AGENDA



- 9:30 a.m. Welcome & Introductions – *Brandi Whetstone, Associate Director, Sustainability***
- 9:35 a.m. MORPC Updates –**
- Certification and Regional Sustainability Agenda – *Brandi Whetstone*
 - Leaders Listen Housing Survey & Planner Pool – *Jonathan Miller, MORPC*
 - Air Quality Program – *Mauro Diaz-Hernandez, MORPC*
 - Clean Ohio Funding & Water Planning – *Edwina Teye, MORPC*
- 9:55 a.m. Climate Pollution Reduction Grant: Phase 1 Plan & Phase 2 Implementation Funding – *Roberto Burga, Sustainable Columbus, & Brian Filiatraut, MORPC***
- 10:10 a.m. Leaders Listen Sustainability Survey: Results & Insights - *Ethan Hug & Brandi Whetstone, MORPC***
- 10:25 a.m. Member Roundtable – *All***
- 10:50 a.m. 2024 Meeting Topics and Priorities**
- 11:00 a.m. Adjourn**

2024 MEETING TOPICS



Please share your ideas for future meeting topics (May & November)

- Join at slido.com or use the QR code to the right
- Use the code #1996146



2024 MEETINGS



All meetings occur 9:30-11:00 a.m.

- May 9
- August 15 – Del-Co Water (host)
- November 14



Thank you!

Brandi Whetstone, LEED Green Associate

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