



MID-OHIO REGIONAL
MORPC
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
IN PERSON/HYBRID
DETAILS CAN BE FOUND IN THE MEETING INVITATION
Mid-Ohio Regional Planning Commission
111 Liberty St., #100
Columbus, OH 43215

Friday, March 18, 2021
9:30 – 11:00 AM

AGENDA

- 9:30 Welcome & MORPC Updates** – *Brandi Whetstone, MORPC*
- [Annual Air Quality Report and Ozone Season](#) – Brandi Whetstone
 - [Local Government Legislative Toolkit](#) – Brandi Whetstone & Elizabeth Ellman, City of Bexley
 - [SolSmart and Solar Co-op Opportunities](#) – Brian Filiatraut, MORPC
- 10:00 Spotlight** – [Waste Reduction and Recycling Initiatives](#)
- SWACO Regional Update – Kyle O’Keefe, Director of Innovation and Programs, SWACO
- 10:30 Member Discussion**
- What types of waste reduction programs or topics are top of mind for your community? What would you like to pursue or learn more about in the future?
 - What are some additional sustainability topics, updates, or opportunities you would like to discuss or explore?
- 11:00 Adjourn**

PLEASE NOTIFY LYNN KAUFMAN lkaufman@morpc.org TO CONFIRM YOUR ATTENDANCE FOR THIS MEETING OR IF YOU REQUIRE SPECIAL ASSISTANCE.

The next Sustainable2050 Meeting is
Friday, June 17, 2022 at 9:30 AM

William Murdock, AICP
Executive Director

Karen J. Angelou
Chair

Erik J. Janas
Vice Chair

Chris Amorose Grooms
Secretary

Mid-Ohio Regional Planning Commission
Remote Meeting

Sustainable2050 Q1 2022 Member Meeting

March 18, 2022

Members Present

Lora Blackburn, Columbus Metropolitan Library
Andrew Booker, SWACO
Andrew Biesterveld, COTA
Taylor Brill, Village of Plain City
Elizabeth Ellman, City of Bexley
Emily Goliver, City of Dublin
Matt Huffman, Clinton Twp. (Franklin)
Blake Jordan, City of Delaware
Council Member Emily Keeler, City of Grandview Heights
Jennifer Kolometz, Lancaster-Fairfield Community Action Agency
Aerin Ledbetter, City of Reynoldsburg
Philip Leppla, SOPEC
Kyle O'Keefe, SWACO
Tatiana Parfenova, Metro Parks
Linda Rosine, Grove City
Jim Schimmer, Franklin County
Deborah Steele, Clinton Twp. (Franklin)
Anna van der Zwaag, City of New Albany
Mayor Christie Ward, Village of Lockbourne
Kevin Weaver, City of Westerville
Talishia Williams, Franklin County
Dan Wilson, City of Gahanna
Erin Wolfe, City of Delaware

Staff Present

Jeremiah Commey
Brian Filiatraut
Lynn Kaufman
Anna Oestreich
Brandi Whetstone



Sustainable2050

Quarter 1 Meeting
March 18, 2022



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Annual Air Quality Report

March 2022



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GOOD NEWS FOR AIR QUALITY

CENTRAL OHIO AIR QUALITY END OF SEASON REPORT 2021

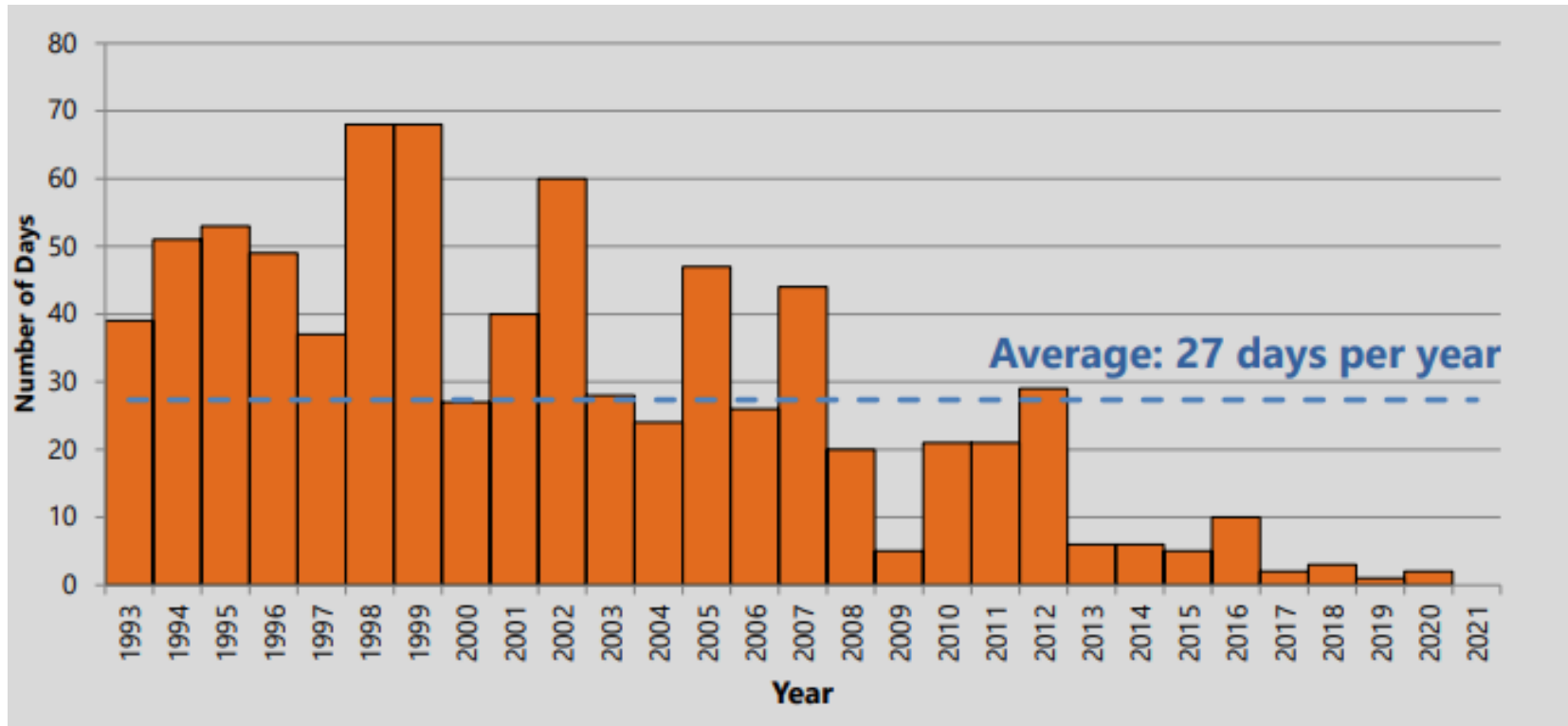
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No Unhealthy for Sensitive Groups days
for ozone (101+ on the AQI)

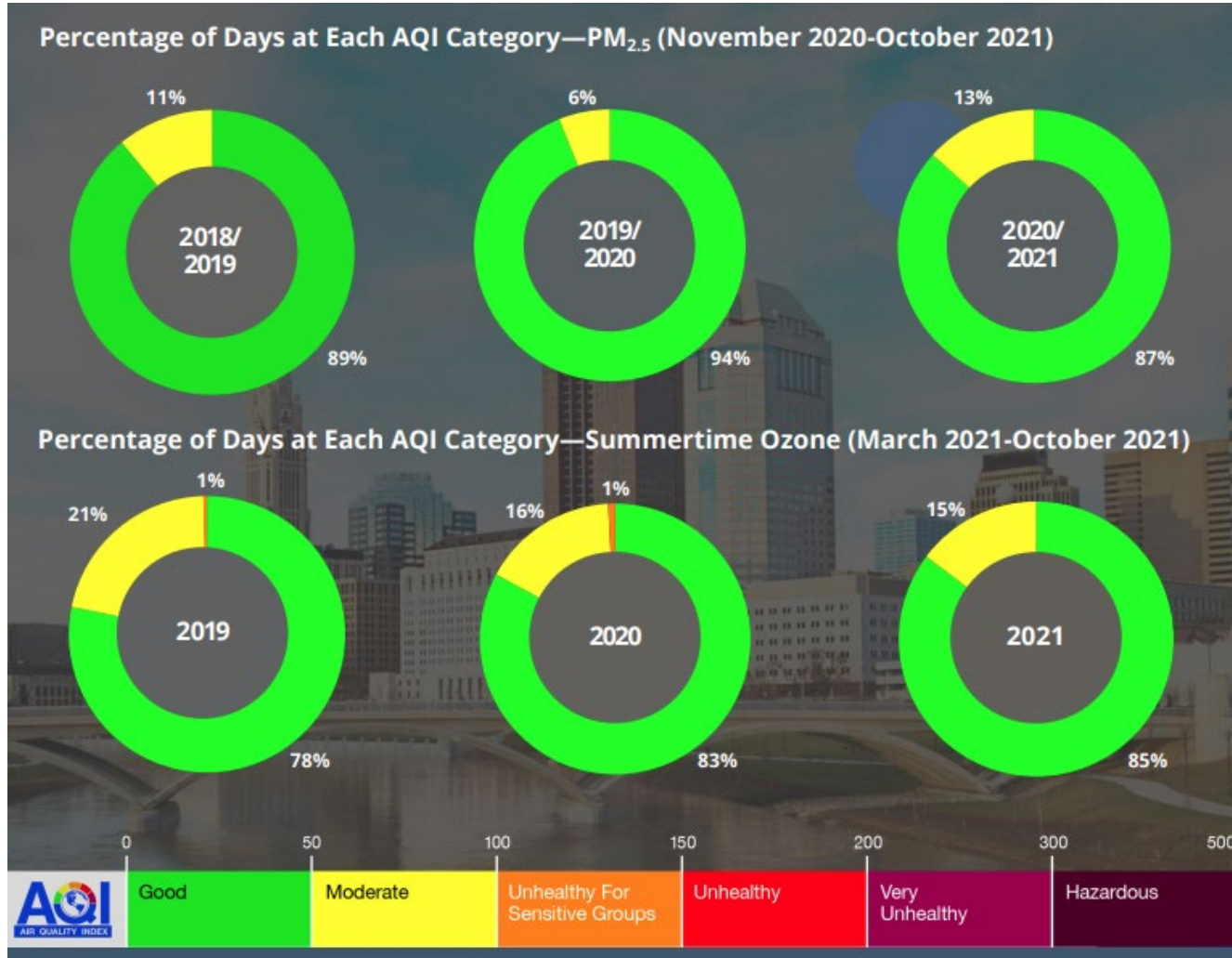
AIR QUALITY INDEX (AQI VALUES)	HEALTH ADVISORY
GOOD 0 - 50	None.
MODERATE 51 - 100	Unusually sensitive people should consider reducing prolonged or heavy exertion.
UNHEALTHY FOR SENSITIVE GROUPS 101 - 150	People with heart or lung disease, older adults, and children should reduce prolonged or heavy exertion.
UNHEALTHY 151 - 200	People with heart or lung disease, older adults and children should reduce prolonged or heavy exertion. Everyone else should reduce prolonged or heavy exertion.
VERY UNHEALTHY 151 - 200	People with heart or lung disease, older adults and children should reduce prolonged or heavy exertion. Everyone else should reduce prolonged or heavy exertion.

OZONE EXCEEDANCES PER YEAR



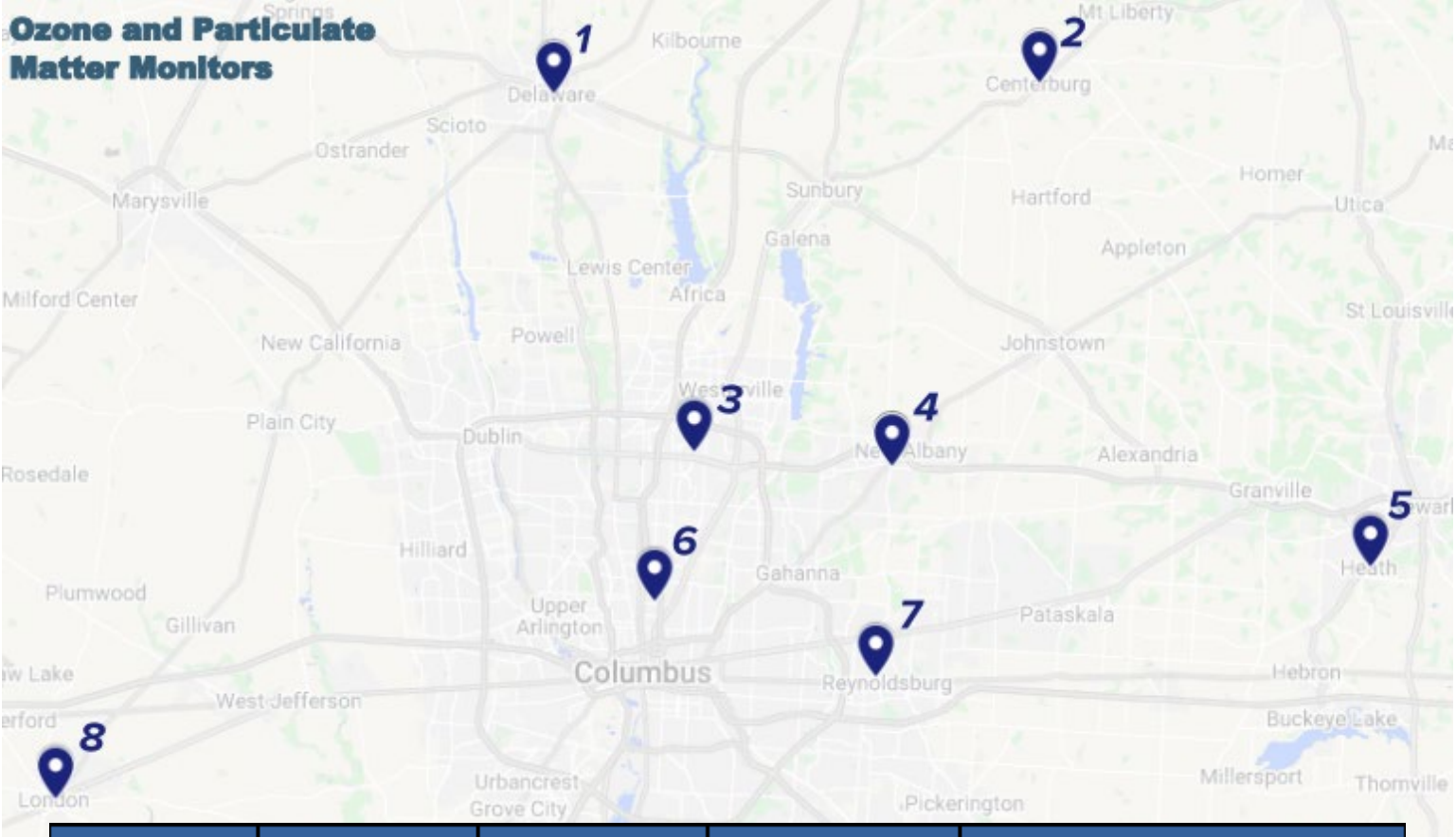
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PERCENTAGE OF DAYS AT EACH AQI CATEGORY



- Majority of days were in the good Air Quality Index (AQI) category (green)
- Increase in moderate (yellow) days for PM_{2.5} due to wildfire smoke

MONITORS AND PEAK LOCATIONS



Date	Next-Day Forecast	Same-Day Forecast	Observed Ozone AQI	Peak Monitor
6/17/21	77	74	84	London
7/27/21	93	100	87	New Albany
8/24/21	80	74	100	New Albany



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morpc.org/airquality

Brandi Whetstone

Sustainability Officer

Mid-Ohio Regional Planning Commission

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bwhetstone@morpc.org

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Columbus, OH 43215

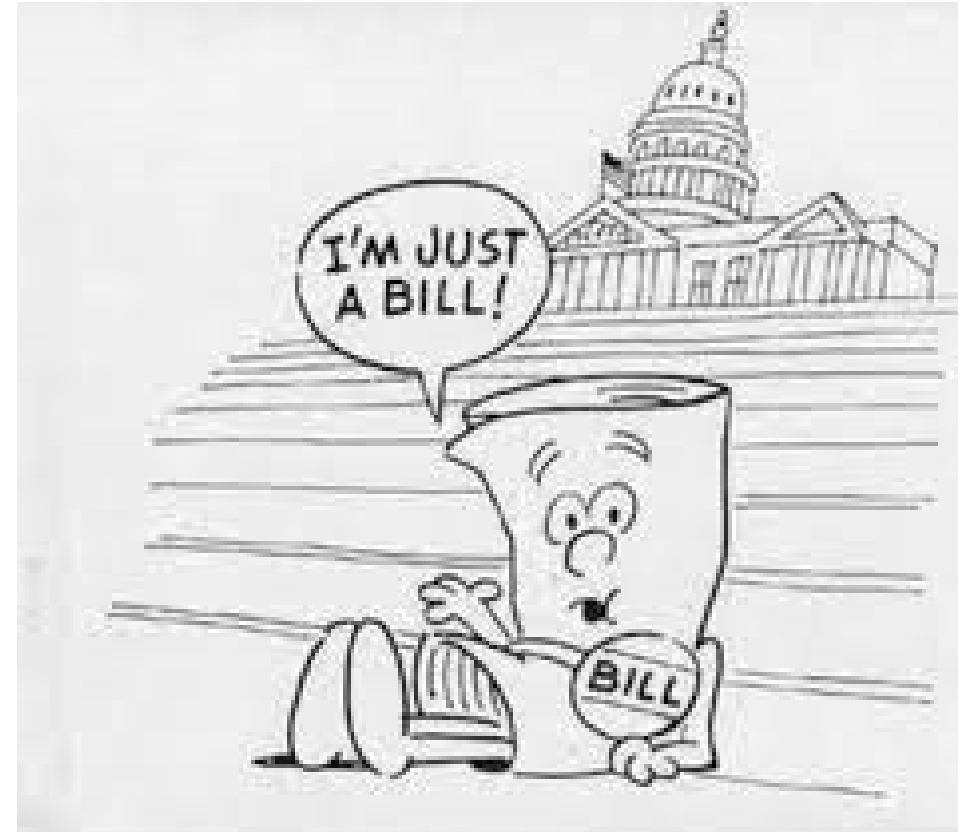


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LOCAL GOVERNMENT LEGISLATIVE TOOLKIT

Brandi Whetstone, MORPC
Elizabeth Ellman, City of Bexley



Environmental Sustainability Advisory Committee Legislation			
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Ordinance	City	Date Passed	Notes
Ordinance 18-20	Bexley	4-28-2020	Original Ordinance can be found here .

Noxious Weed Legislation			
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Ordinance	City	Date Passed	Notes
Ordinance 04-19	Bexley	02-19-19	

Riparian Zone Legislation			
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Ordinance	City	Date Passed	Notes

Water Preservation and/or Conservation Legislation			
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Ordinance	City	Date Passed	Notes

Other Ideas and Legislation			
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SOLSMART AND SOLAR CO-OP OPPORTUNITIES

Brian Filiatraut

Energy & Sustainability
Program Coordinator, MORPC



SOLSMART & SOLAR CO-OP OPPORTUNITIES

Sustainable2050 Q1 Meeting
March 18, 2022



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SOLSMART OVERVIEW



A national technical assistance (TA) & designation program designed to recognize **cities, counties, and small towns** for:

1. Encouraging solar energy growth, and
2. Addressing barriers to solar energy

All local governments are eligible for no-cost technical assistance.

At national level, led by:



ICMA

INTERNATIONAL CITY/COUNTY
MANAGEMENT ASSOCIATION

Funded by:

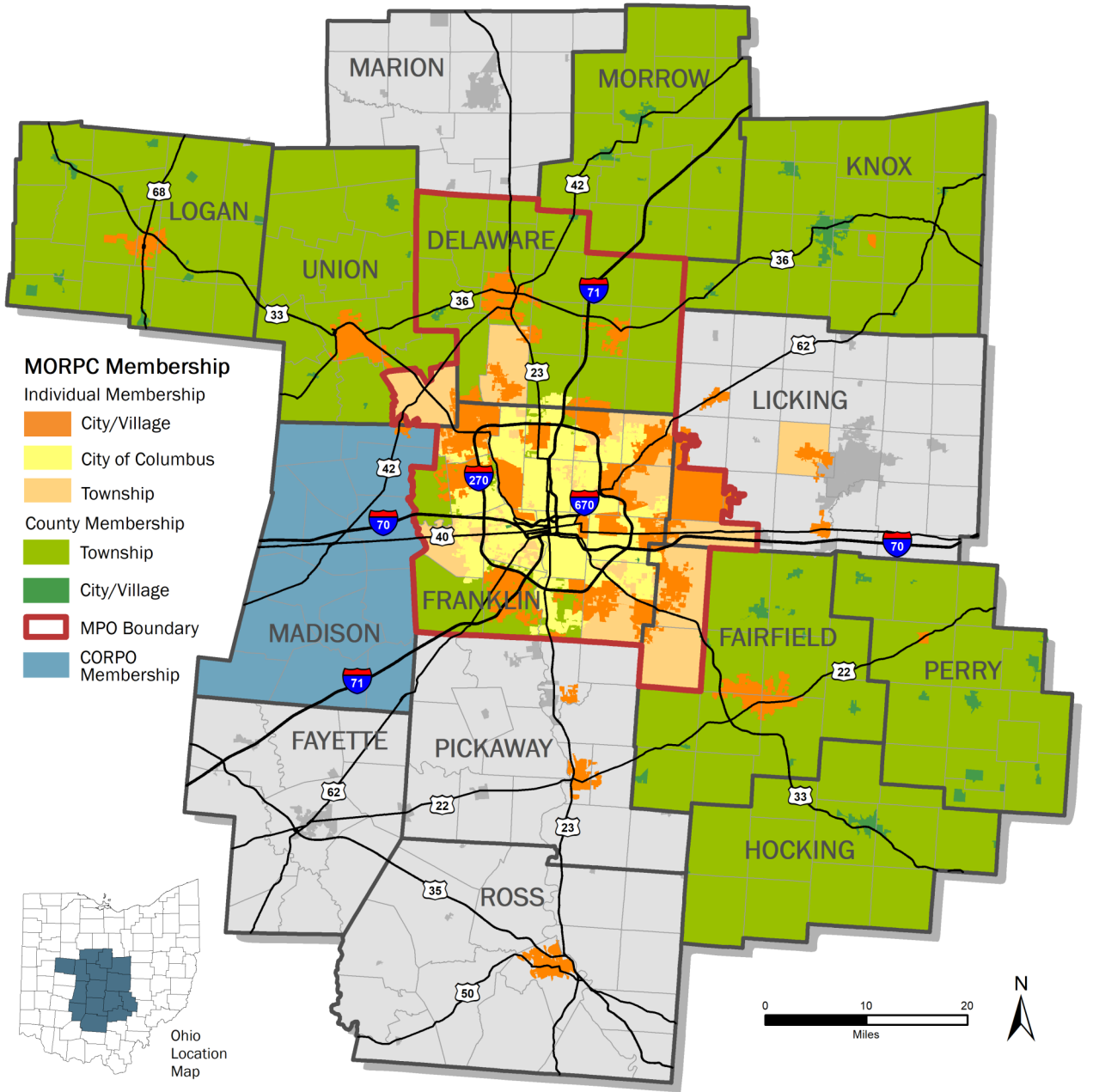


MORPC COMMUNITIES

Community	Designation
City of Delaware	Bronze
Franklin County	Bronze
MORPC	Silver
Upper Arlington	Gold
Village of Somerset	Bronze

Other communities working toward SolSmart designation:

- Bexley
- Hilliard
- Clinton Township
- Lancaster
- Columbus
- Reynoldsburg





COLUMBUS AREA RESIDENTIAL SOLAR CO-OP: A FRANKLIN COUNTY COLLABORATION

**Led by City of Columbus, Solar United Neighbors,
MORPC, IMPACT Community Action, & Simply Living**



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SOLAR CO-OP

= a group of homeowners in a defined geographic area who use their combined purchasing power to ensure they receive the most competitive solar installation.

Tristan Rader

Ohio Program Director
Solar United Neighbors

trader@solarunitedneighbors.org



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PROGRAM SPECIFICS



- Collaboration led by City of Columbus, Solar United Neighbors, MORPC, IMPACT Community Action, and Simply Living
- Open to ALL residents who live in a community within Franklin County
- 2 solar co-op rounds
 - Round 1: May – October, 2022
 - Round 2: January – April, 2023
- Local government requirements – in-kind services (no cost!)
 - Marketing & Outreach
- More information to come with kickoff



REGIONAL SCHOOLS ENERGY STRATEGY (ReSES) Solar PPA Co-op

Open to schools, school districts, and municipalities



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PROGRAM OVERVIEW

- Open to *both* school districts & municipalities
- Leverage buying power to secure lower electricity rate
- Schools are an underutilized opportunity to develop solar
 - Given a school's purpose and standing in the community, schools have a multiplier effect



PS 62 Kathleen Grimm Elementary | Staten Island, NY



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WHY SOLAR?

Energy Cost Savings

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

Environmental Benefits

- Decrease air pollution; improve air quality
- Decrease greenhouse gas emissions
- Lead by doing

Curriculum Integration

- Turn your campus 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 & host a regional youth summit

Public Awareness & Positive PR

- Schools have a multiplying effect in a community
- A leader & beacon of clean energy in the region



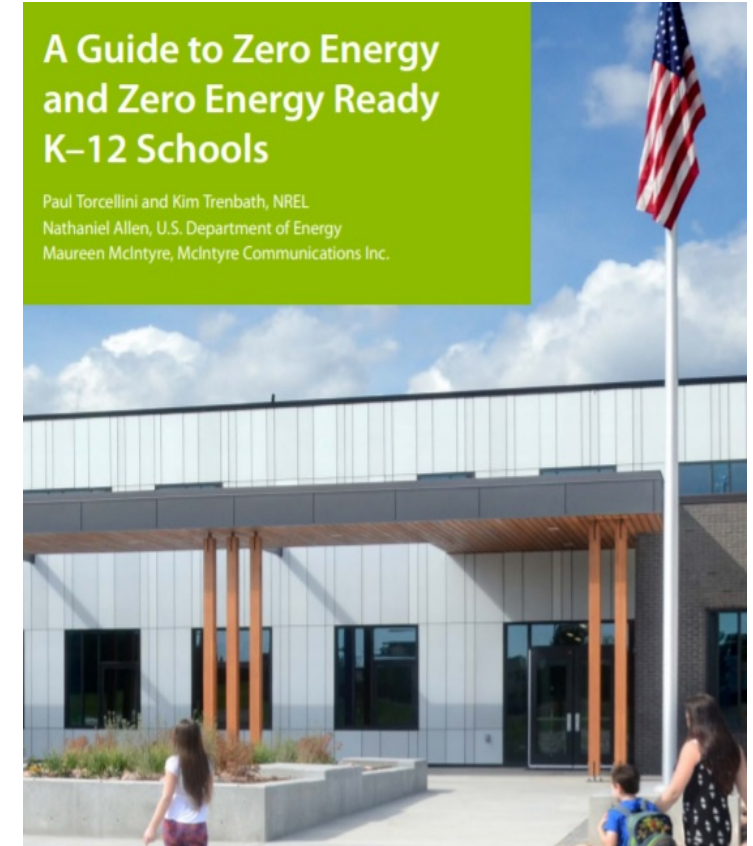
FINANCIAL OPTIONS

	Direct Purchase	Power Purchase Agreement (PPA)*
Description	School buys & owns the system	Investor buys the system & sells electricity back to the school at a pre-negotiated fixed or variable rate
Pros	<ul style="list-style-type: none">• School owns the system• Highest rate of return & cost savings	<ul style="list-style-type: none">• Investor assumes all O&M expenses
Cons	<ul style="list-style-type: none">• Higher net investment• School assumes all O&M expenses	<ul style="list-style-type: none">• Lower rate of return & cost savings since the school doesn't own system
Zero Upfront Costs	No	Yes

RESOURCES



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THANK YOU!

BRIAN FILIATRAUT

Energy & Sustainability Program Coordinator
Mid-Ohio Regional Planning Commission

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SOLSMART APPENDIX

The proceeding slides provide more information regarding next steps & how designation works; provided by SolSmart



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THE SOLSMART DESIGNATION PROCESS



DESIGNATION STRUCTURE



- To receive designation, communities must complete the following:



Complete 3 prerequisites

20 points in Permitting & Inspection

20 points in Planning & Zoning

60 total points

Attain SolSmart Bronze and

Complete 3 additional prerequisites

100 total points

Attain SolSmart Silver and

Complete 2 additional prerequisites

200 total points



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SOLSMART RESOURCES



All local governments are eligible for no-cost TA from SolSmart's team of national and local experts to [meet SolSmart criteria](#) (link) and achieve their solar goals.

Designation categories

1. Permitting & Inspection
2. Planning & Zoning
3. Government Operations
4. Community Engagement
5. Market Development



SolSmart has prerequisites necessary to achieve each of their 3 designations followed by points you can accrue based on your community's needs and goals.

- [SolSmart Program Guide](#) (link): for a deeper dive that has links to templates, recommended verification, community examples, and other resources.
- [SolSmart's impact](#) (link): study shows increased # of solar installations, increased capacity of solar, and that no two communities achieved designation in the same manner



BRONZE REQUIREMENTS



Pre-requisites

1. Provide a document that demonstrates your local government's commitment to pursue SolSmart designation (PR-1)
2. Post an online checklist detailing the required permit(s), submittals, and steps of your community's permitting process for small rooftop solar PV (PI-1)
3. Review zoning requirements and identify restrictions that intentionally or unintentionally prohibit solar PV development. Compile findings in a memo. (PZ-1)

Point requirements

1. 20 points in Permitting and Inspection
2. 20 points in Planning and Zoning
3. 20 points in Government Operations, Community Engagement, and Market Development



SILVER PRE-REQUISITE REQUIREMENTS



Pre-requisites

1. Meet all Bronze pre-reqs
2. Train permitting staff on best practices for permitting solar PV and/or solar and storage systems. Training must have occurred in the past five years (PI-2)
3. Train inspection staff on best practices for inspecting solar PV and/or and storage systems. Training must have occurred in the past five years (PI-3)
4. Complete one of the following two criteria:
 - a) Post an online document from the Planning/Zoning Department that states accessory use solar PV is allowed by-right in all major zones (e.g. via a zoning determination letter) (PZ-4)
 - b) Codify in the zoning ordinance that accessory use solar PV is explicitly allowed by-right in all major zones. Zoning ordinance language should not include intentional or unintentional barriers to accessory use solar, such as limits to visibility from public right-of-way, excessive restrictions to system size, glare studies, subjective design reviews, and neighbor consent requirements (PZ-5)
(Also required for Gold designation)



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SILVER POINT REQUIREMENTS



Point requirements

1. 20 points in Permitting and Inspection
2. 20 points in Planning and Zoning
3. 20 points in Government Operations, Community Engagement, and Market Development
4. Additional 40 points combined in all categories (for 100 total points)



GOLD PRE-REQUISITE REQUIREMENTS



Pre-requisites

1. Meet all Bronze and Silver pre-reqs
2. Codify in the zoning ordinance that accessory use solar PV is explicitly allowed by-right in all major zones. Zoning ordinance language should not include intentional or unintentional barriers to accessory use solar, such as limits to visibility from public right-of-way, excessive restrictions to systems size, glare studies, subjective design reviews, and neighbor consent requirements (PZ-5)
3. Post an online statement confirming a three-business day turnaround time for small rooftop solar PV (PI-4)



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SWACO REGIONAL UPDATE

Kyle O'Keefe

Director of Innovation and
Programs, SWACO



Regional Update

Kyle O'Keefe
Director of Innovation & Programs

Regional Waste Diversion Goal

Current Regional
Waste Diversion Rate:

51%

2023 Diversion Goal:

75%

SWACO Public Opinion Poll:

- 89% of individuals support Central Ohio's goal of achieving a 75% diversion goal by the year 2032

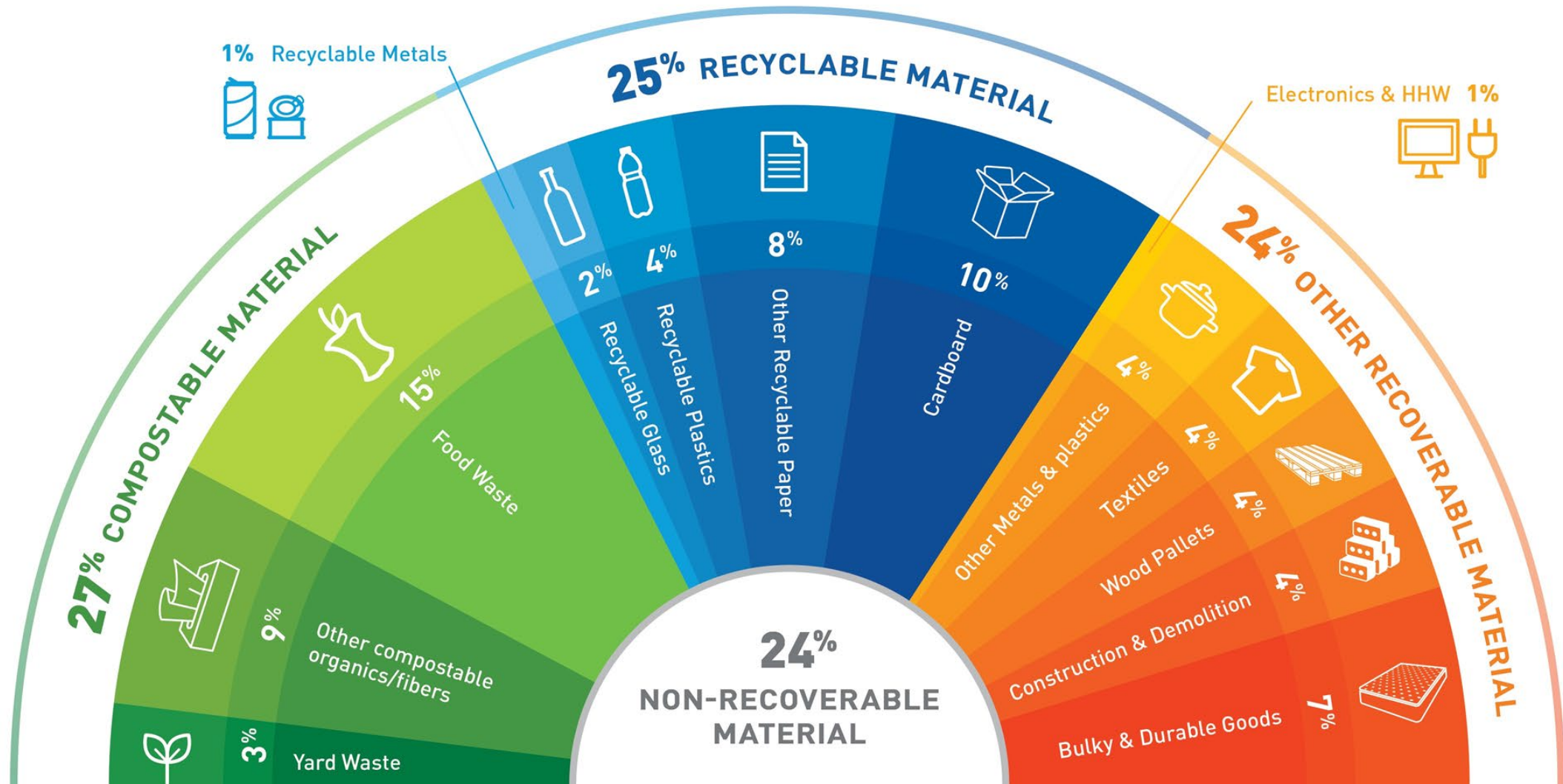
Community Sustainability, Climate, and Zero Waste Plans



SWACO Public Opinion Poll:

- Cities and other government agencies should be promoting recycling and composting – 92% Agree
- By Recycling and Reducing Waste I can help reduce the impacts of climate change on our community – 82% Agree

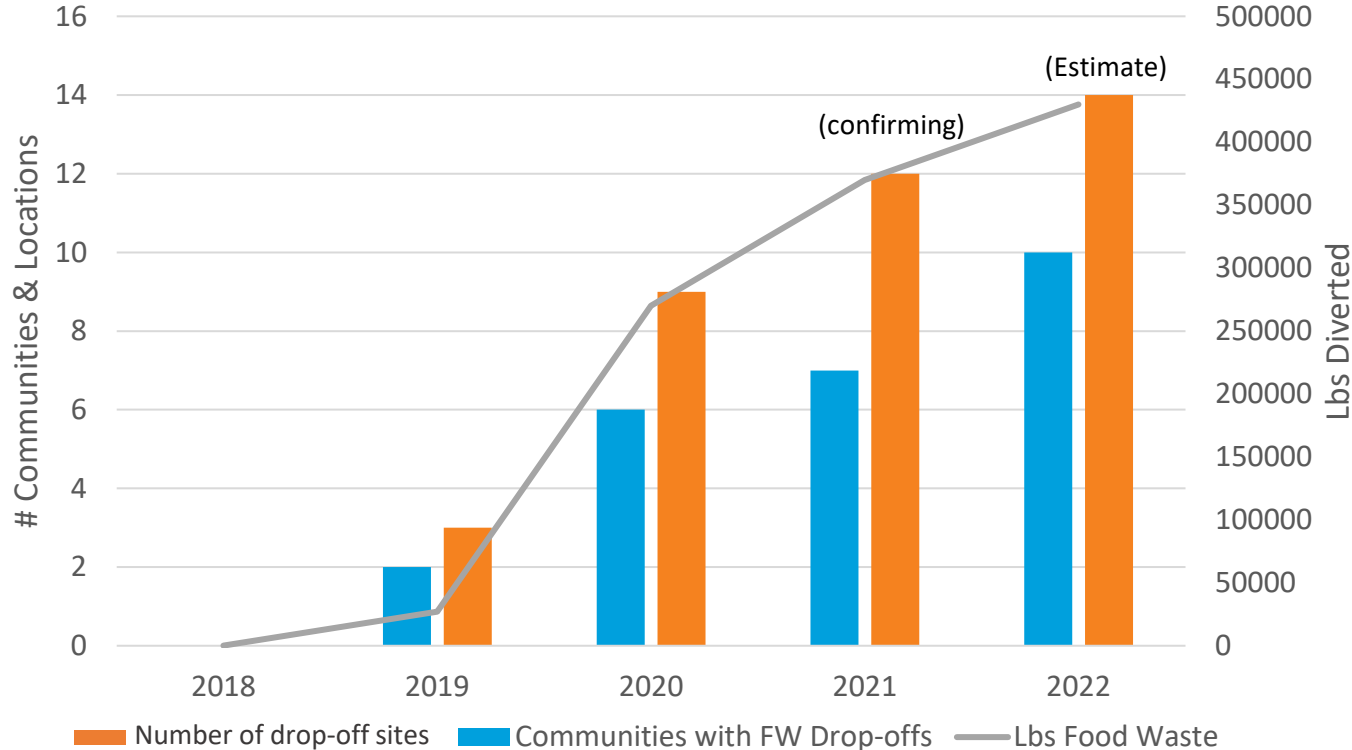
Central Ohio Landfill Waste Composition



Food Waste

15% = 1mm lbs landfilled every day

Food Waste Drop-off Growth



SMTF impacts and resources:

- 21% decrease in food wasted
- 57% increased awareness
- 40% increase in food composted at drop-off locations
- Community campaign toolkit available

SWACO Public Opinion Poll:

➤ I'm concerned about the amount of food wasted every day in central Ohio – 83% Agree

Composting Infrastructure

Public-Private Partnership Facility

- Establish needed infrastructure and capacity for composting food waste, green waste, and other organics
- Competitive RFQ/RFP process to design, build, and operate a composting facility
- Ensure public oversight of performance
- SWACO financial support
- Long-term continuity of services
- Enable increased organics collection and diversion including curbside food waste collection
- Requires regional community support



SWACO Public Opinion Poll:

➤ I would support curbside food waste collection for composting – 78% agree

Residential Recycling

- 97% of single-family homes have access to curbside recycling
- 90% of SF households have a recycling cart; up from 65% 5 years ago; carts have increase recycling 15-30+%
- 20 communities representing 130k households have implemented the Recycle Right Campaign
- Roughly 85,000 tons of recyclables are still being thrown away by residents in SF households; capturing only 35-45% of recycables being generated in households



Recycle Right
MAKE A DIFFERENCE

SWACO Public Opinion Poll:

- **It reflects well on my community when we recycle – 92% agree**
- **The majority of individuals have confusion about what can be recycled**
- **Top Reasons for reducing waste/recycling:**
 - **Good for the Environment 55%,**
 - **Right thing to do 11%,**
 - **Reducing landfill waste 10%,**
 - **Future Generations 6%**

Residential Recycling

City of Whitehall

- Volume-based trash program
- 72% increase in recycling participation
- 86% increase in recycled material
- 21% decrease in waste landfilled
- \$88k in annual savings for residents



Multi-Family Complex Recycling

- City of Columbus pilot
- MF recycling toolkit and resources coming soon
- Templated zoning and ordinance language
- Pricing/service option included in consortium contracts



SWACO Public Opinion Poll:

- Over half of individuals are interest in a volume-based trash collection

Recycling Infrastructure

Rumpke Materials Recovery Facility Announcement

Competitive Public Process Underway

- Seeking public-private partnership
- Leverage public purchasing power
- Improve transparency for cost and revenue sharing
- Long-term price stability and predictability



Business Recycling



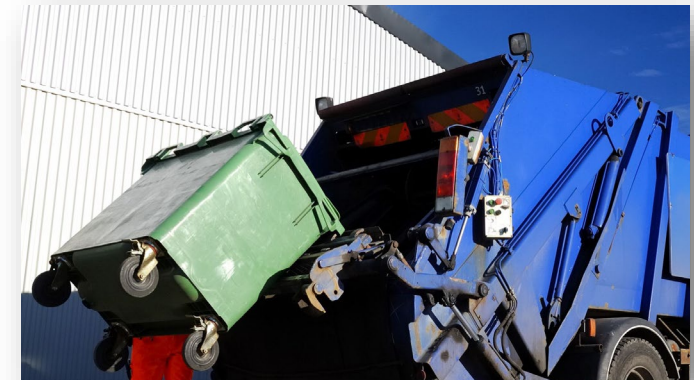
Recycling Toolkit: guidelines, green teams, resources



Webinars



Funding for Containers, Signage, and Services – coming soon!

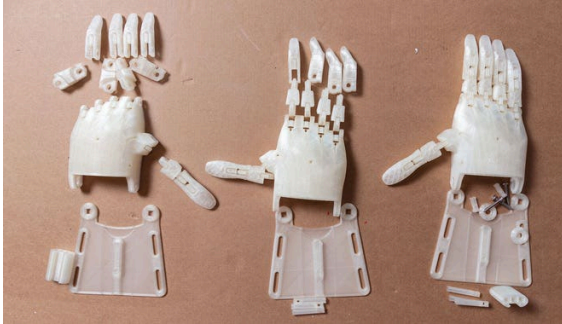


SWACO Public Opinion Poll:

- I would like to see recycling and composting efforts started or improved at my place of work or school – 80%
- Businesses in central Ohio should be required to offer recycling services to customers and employees – 78%
- I am more likely to patronize businesses that use environmentally friendly products and recycling or compost waste – 73%

Circular Economy

Supporting Social Enterprise and Start-ups



FORM 
PROSTHETICS
www.form5prostheticsinc.org



the
SUSTAINERY[™]
A TEXTILE MARKETPLACE

Green Economy Industrial Park



Fresh Bloom Bins



Qube Waste Solutions

Grants

Event Waste Reduction Grant

Accepting applications on a rolling basis through September
Up to \$6,000 in funding depending event size
25% cash match

Community Waste Reduction Grant

Accepting application starting around Earth Day
Deadline for applications: August
Up to \$35,000 in funding
25% cash match

Contact Kristi Higginbotham – Kristi.Higginbotham@swaco.org



Thank you!

Kyle O'Keefe
Director of Innovation & Programs
kyle.okeefe@swaco.org

THANK YOU!

BRANDI WHETSTONE

Sustainability Officer

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