

Addressing Household Hazardous Waste Management in Ohio

Presented at MMAC
October 20, 2021



Presentation Overview



- Framing the Issue
- Local challenges & available opportunities
- Examples (5 different ways SWMDs provide collection).
- Other collection programs
- Opportunities

Framing The Issue



- Lack of state-wide access to residents for managing HHW
- Available options are often not convenient
 - Distance
 - Few one-stop options
 - Requires commitment

Framing The Issue



- Difficult to find available options
 - Where do you look?
 - Where is information posted?
 - Information out-of-date or conflicting
- Disposal in trash often only available option

Local Challenges

Burden is on solid waste management districts

Limited Funding

Lack staff

Inconvenient to residents

Limited awareness of HHW Collection

Available to SWMD residents only

Local Opportunities

36 out of 52 SWMDs provided some type of general HHW collection option in 2020

Event Type	Frequency	# of SWMDs	# of Counties
Permanent/Semi-Permanent	Monthly/Weekly	16	20
One-day Event	Twice a Year	3	6
One-day Event	Once a Year	12	22
One-day Event	Less Frequent	5	11

31 of 52 SWMDs that have a HHW collection option annually
31 of 36 SWMDs that have a HHW collection option do it annually



North Central Ohio SWMD

Allen, Champaign, Hardin, Madison, Shelby, Union

- Collection facilities in Allen, Shelby, and Union counties
- Mobile unit once a month in Champaign, Hardin, and Madison counties



Collected
10.8 tons

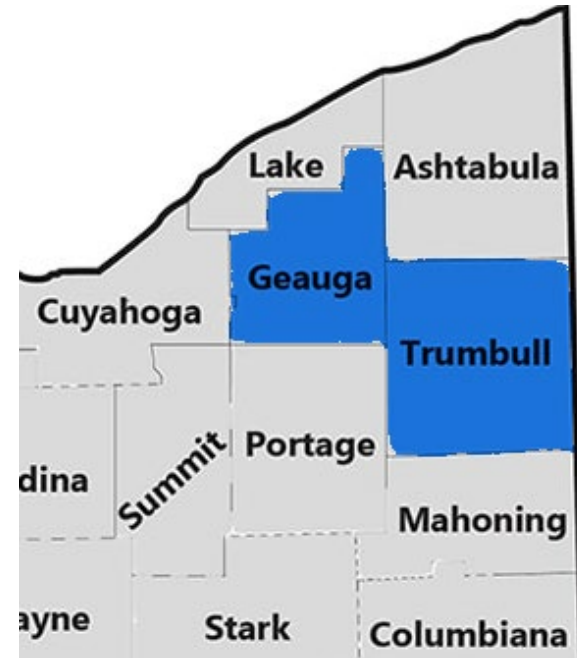
Cost
\$56,326

Cost/ton
\$5,633



Geauga Trumbull Solid Waste Management District

- One day collection in Geauga County
- Collection facility in Trumbull County
- Constructing collection facility in Geauga County Services



Collected
29.46 tons

Cost
\$57,398

Cost/ton
\$1,498

Hamilton County R3Source

- One-day collection event
- Registration required
- Through contract with Clean Harbors



Collected
55 tons

Cost
\$128,472

Cost/ton
\$2,336



Cuyahoga County Solid Waste District



- Individual communities voluntarily collect from residents
- Community delivers to SWMD-owned, central facility
- SWMD pays for transportation and treatment/disposal
- 48 out of 59 communities participated in 2020

Collected
185 tons

Cost*
\$297,367

Cost/ton
\$1,607



* Doesn't include costs incurred by the 48 participating communities

Adams-Clermont

- Voucher program for Clermont residents
- 115 vouchers issued in 2020
- Resident transports to Environmental Enterprises in Hamilton County



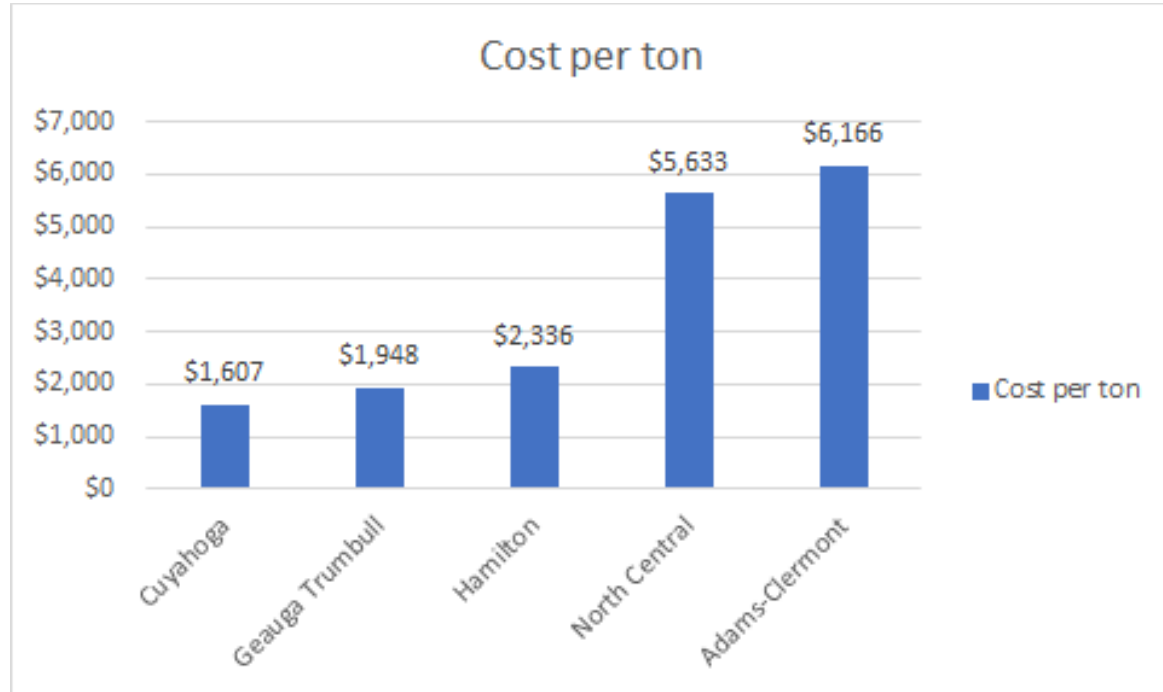
Collected
0.59 tons

Cost*
\$3,638

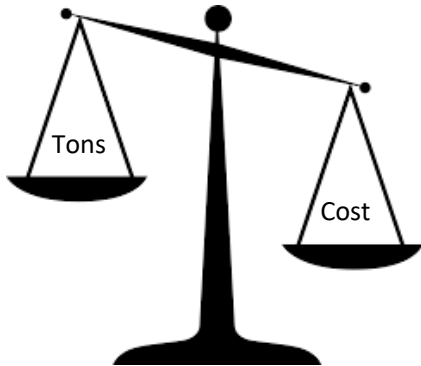
Cost/ton
\$6,166

Cost per Ton by SWMD

SWMD	Tons Collected
Cuyahoga	185
Geauga Trumbull	29.5
Hamilton	55
NCO	10.8
Adams-Clermont	0.59



Cost of Cuyahoga's program does not include the costs the 48 communities incurred



Other options

- Retailers
 - Home improvement stores take rechargeable batteries and CFLs
 - Auto service stations – used oil
- Mail-in services
 - Waste Management – Lamp Tracker, e-Scrap Tracker
 - Green Disk – Technotrash
 - Call2Recycle - Batteries

Opportunities



Our toolbox:

Agency's most accessible tool is the webpage



Maintain updated, searchable recycling directory (DEFA)



Maintain up-to-date SWMD contacts (DMWM)



Compile and post SWMD-sponsored collections (DMWM)



Opportunities



Future tools?



Foster collaboration among SWMDs on regional projects



Statewide, dedicated grant program



Recycling and Litter Prevention Grants (like scrap tire amnesty grants)



Support producer responsibility