

# Resources to Help You Achieve Compliance, Reduce Waste and Save Money

Capital Area Safety Council

**Lexie Andrews**

Office of Compliance Assistance and Pollution Prevention

March 2019



## Resources to Help You Achieve Compliance, Reduce Waste and Save Money

2019 Stark County Safety Council

Dan Sowry  
Office of Compliance Assistance and  
Pollution Prevention



# Sorry to Disappoint!

...but I am not Dan Sowry

# Overview

**Complexity of Regulations**

**Compliance Assistance and Pollution  
Prevention Assistance**

**Going Beyond the Regulations**

**Funding Available**

**Contacts**



## Do You Generate Hazardous Waste?

May need a U.S. EPA identification number

- Assigned by Ohio EPA
- Must complete and submit RCRA Subtitle C Site ID Form (Ohio EPA 9029)
- Submit electronically using myRCRAid

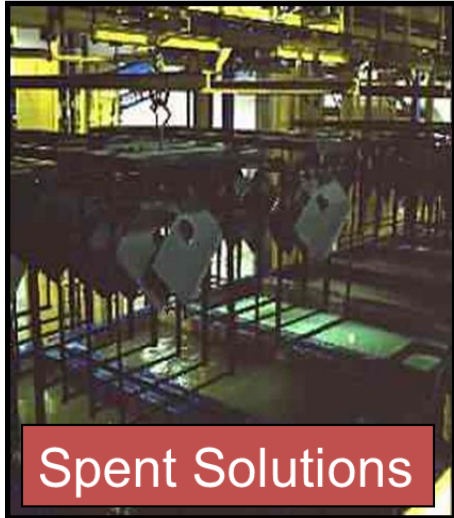


# Manufacturing, construction, recycling or transportation-related business?

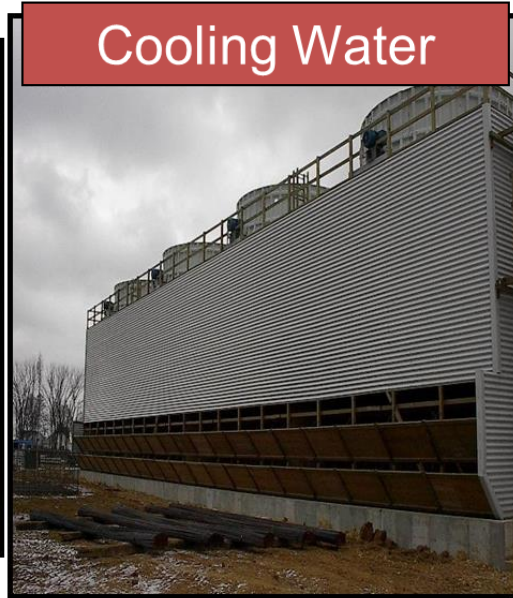
- May need an industrial general storm water permit from Ohio EPA's Division of Surface Water



# Wastewater discharges?



Spent Solutions



Cooling Water



Equipment Cleaning



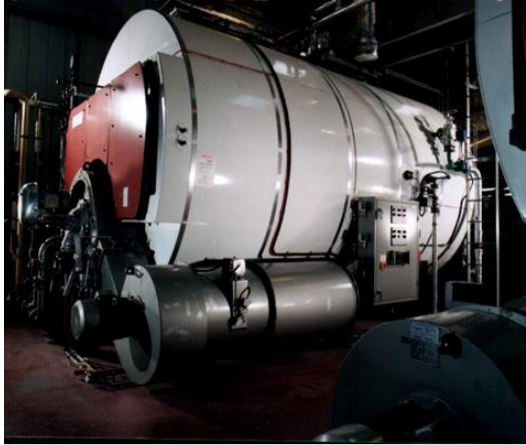
Rinse waters



Process Solutions



# Discharge Air Pollutants?





Has Your Business Been Inspected  
by Ohio EPA?

Who  
Visited?

- Inspector for only hazardous waste, water pollution, or air pollution?

Why Did  
They  
Show Up?

- **Complaint investigation?**  
\***Most common reason for inspection**
- Priorities: annual, biennial, or sector initiatives?

Notice of  
Violation?

- How was the NOV handled?





# Who will...

- Complete your applications,
- Ensure compliance,
- Identify cost savings,
- Provide recycling grant money, and
- Recognize your efforts?

**Office of Compliance Assistance &  
Pollution Prevention  
(OCAPP)**



## Office of Compliance Assistance and Pollution Prevention

- Free and confidential technical assistance
- Assists businesses
- Identifies pollution prevention measures
- Identify market development recycling opportunities

Northeast District  
346 Businesses  
15 WWTPs

Northwest  
District  
156 Businesses  
3 WWTPs

Southeast  
District  
120 Businesses  
25 WWTPs

Southwest District  
109 Businesses  
12 WWTPs

# Q2 2018 Environmental Assistance Snapshot

DEFA's free and confidential environmental assistance program assistance during the second quarter of 2018



# What OCAPP Can Do for You

## Provide

- **Provide regulatory technical assistance via phone, email**
- Held in strict confidence and not subject to public records!!!

## Help

- **Help complete and submit permit applications and reports**

## Develop

- **Develop and help maintain on-site records**

# What OCAPP Can Do for You

## Fund

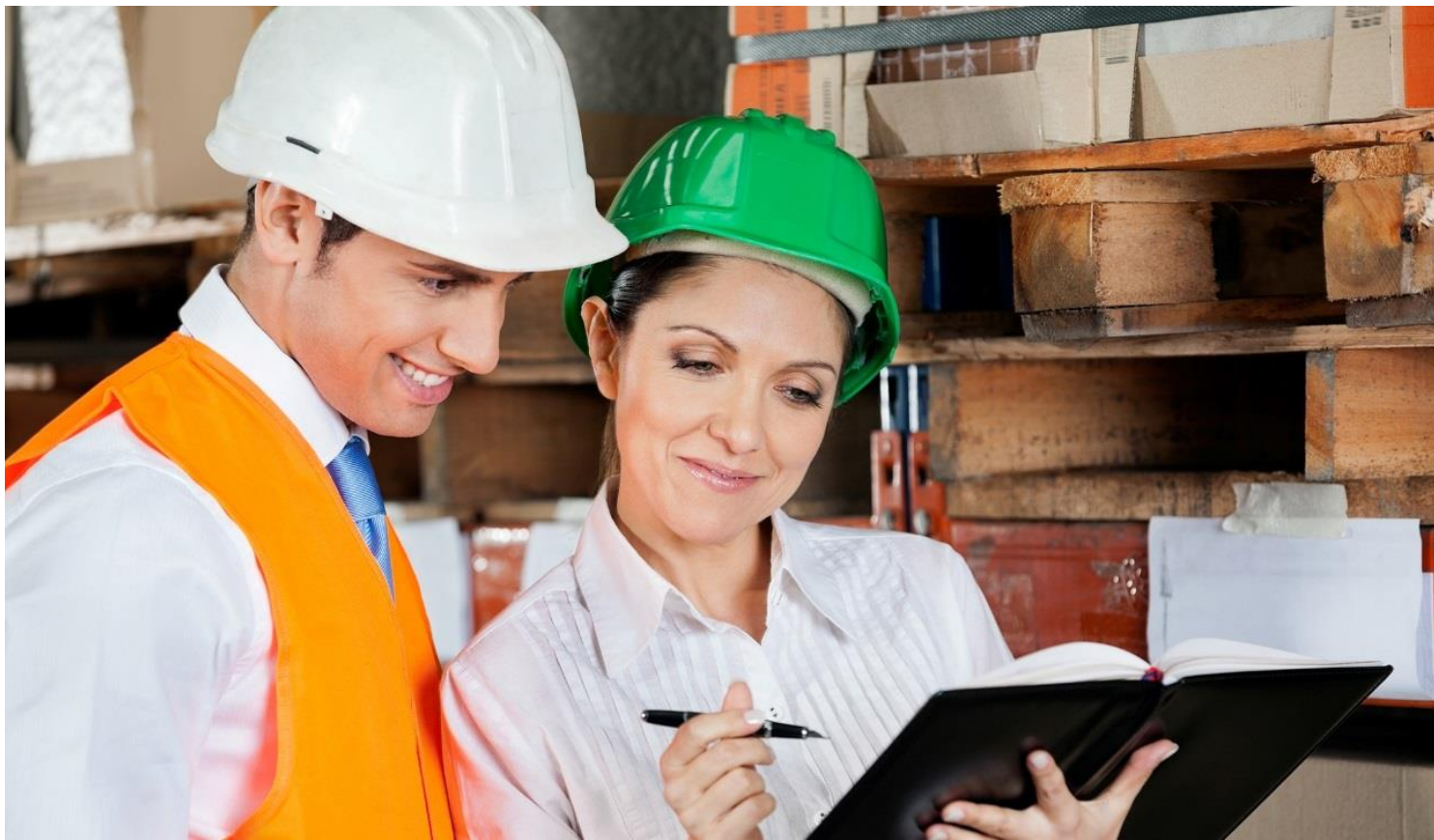
- Provide grant recycling \$\$\$
- \$4 million dollar annual fund!!!

## Conduct

- Conduct free on-site compliance, recycling and wate reduction visits
- Held in strict confidence and not subject to public records!!!

## Recognize

- Recognize your efforts through our Encouraging Environmental Excellence (E3) program



How to request  
confidential assistance...

- **Toll-free confidential hotline:**  
**(800) 329-7518**
  - 8:00-5:00 Monday through Friday
  - Or contact us directly!

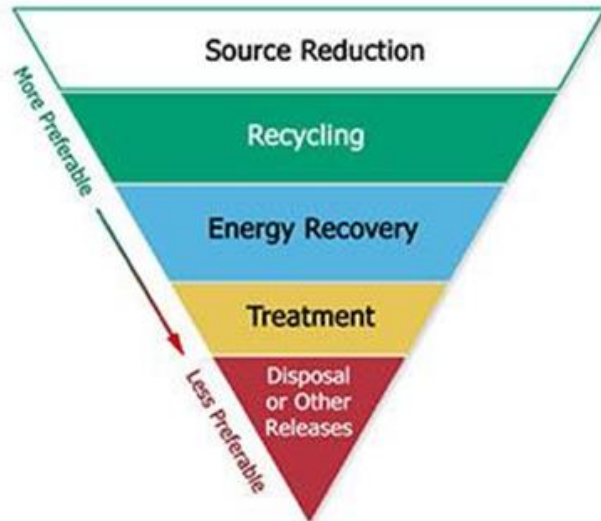




# OCAPP District Contacts

- **Central Ohio Contact**
  - Jessica Cáceres, (614) 644-2130
- **Northeast Ohio Contacts**
  - Tamara Girard, (330) 963-1282
  - John Schmidt, (330) 963-1250
- **Northwest Ohio Contact**
  - Tom Cikotte, (419) 373-3020
  - Jeremy Scoles, (419) 373-3095
- **Southwest Ohio Contact**
  - Maddie Adams, (937) 285-6456
  - Amber Hicks, (937) 285-6439
- **Southeast Ohio Contact**
  - Ralph Witte, (740) 380-5241

Toll-Free Hotline: (800)329-7518



# Waste reduction to avoid regulation and save \$\$\$?

- **Pollution Prevention (P2)**
  - Waste minimization & P2
  - Free and Confidential On-site assessments
  - Off-site (email, phone, Web info)
- **Process focused**
  - Save money
  - Reduce waste generation
  - Reduce regulatory requirements

# What is Pollution Prevention?

Preventative  
strategy

Proactive

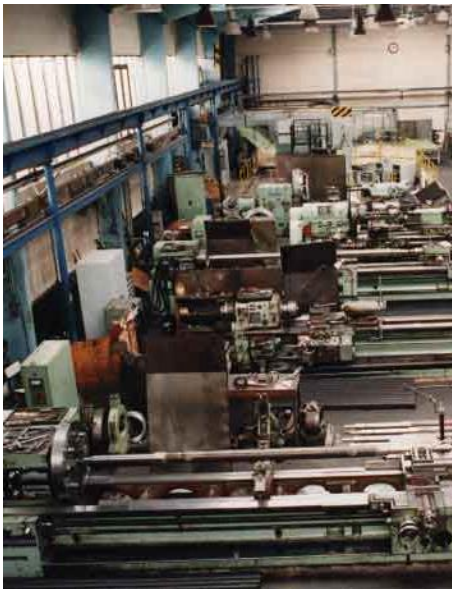
Process focused

Optimizes  
processes

Prevents losses

Losses (wastes) =  
REGULATION &  
\$\$\$





# What is Pollution Prevention?

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**True reductions  
and cost-effective**

Real measurable  
environmental benefit

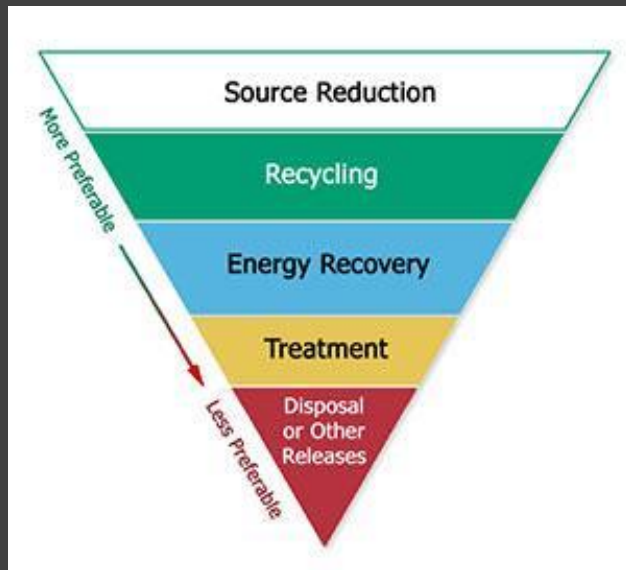


**Going beyond  
compliance**



**Foundation for  
sustainable, zero  
waste, lean & green  
strategies**

# Sustainable Materials Management



Systemic approach to using and reusing materials more productively over their entire lifecycles

Rethink use of natural resources

Examine a product's entire lifecycle

Reduce environmental impacts

Conserve resources & reduce costs

# Sustainable Materials Management

- Materials have an impact throughout their lifecycle
  - Raw Material
  - Manufacturing
  - Distribution
  - Use
  - End-of-Life Management



Material  
Substitution

Product  
Redesign

Reuse of  
Materials

Modify  
Equipment  
Process

Production  
Scheduling/  
Inventory Control

Policy Changes

Preventative/  
Equipment  
Maintenance

Procedural  
Changes/  
Housekeeping  
Practices

Spill and leak  
prevention

Energy  
efficiency

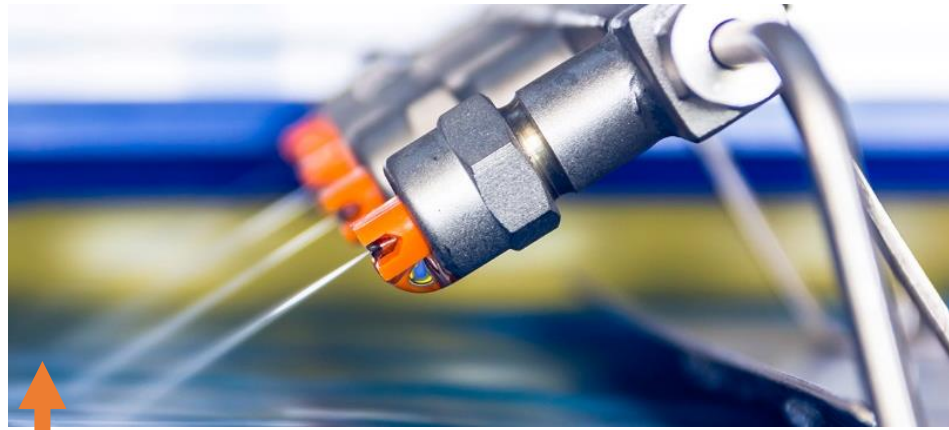
Training

Waste stream  
segregation

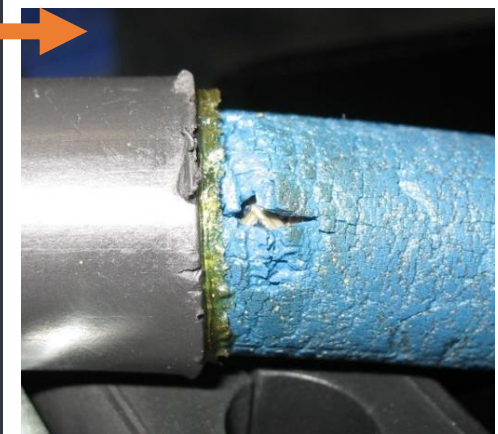
Where Does P2 Fit?



# P2 and Sustainable Materials in Manufacturing



- Equipment/Process Modification
- Recycling, Recovery & Reuse
- Preventative/Equipment Maintenance
- Procedural Changes



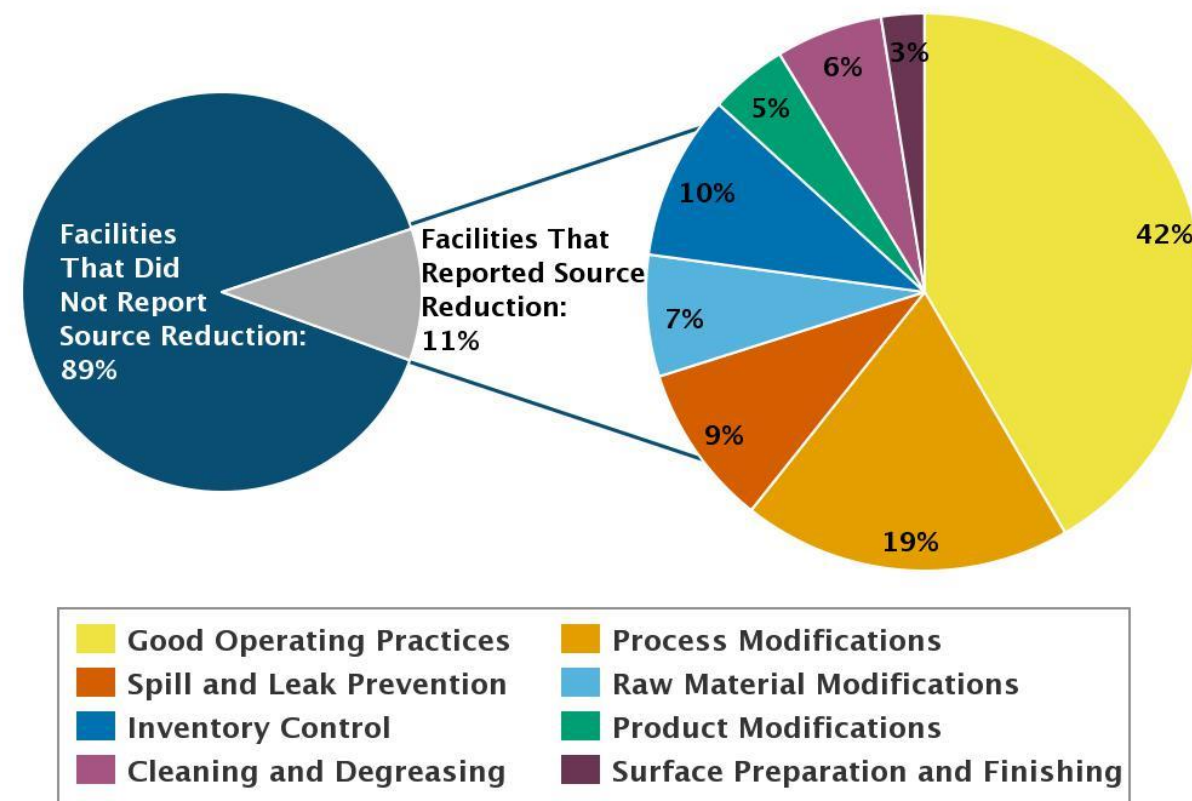
## P2 Practices by Industry

- 2,306 facilities reported initiating a total of 5,868 new SRA activities

### Newly Implemented Source Reduction Practices, 2016

Facilities Reporting to TRI

Source Reduction Activities Reported



Notes: 1) Percentages may not sum to 100 percent due to rounding. 2) Facilities report their source reduction activities by selecting codes that describe their activities. These codes fall into one of eight categories listed in the graph legend and are defined in the [TRI Reporting Forms and Instructions](#).



What About Ohio?

# The Ohio Materials Marketplace

On-site P2  
Assistance





# Waste as a Resource

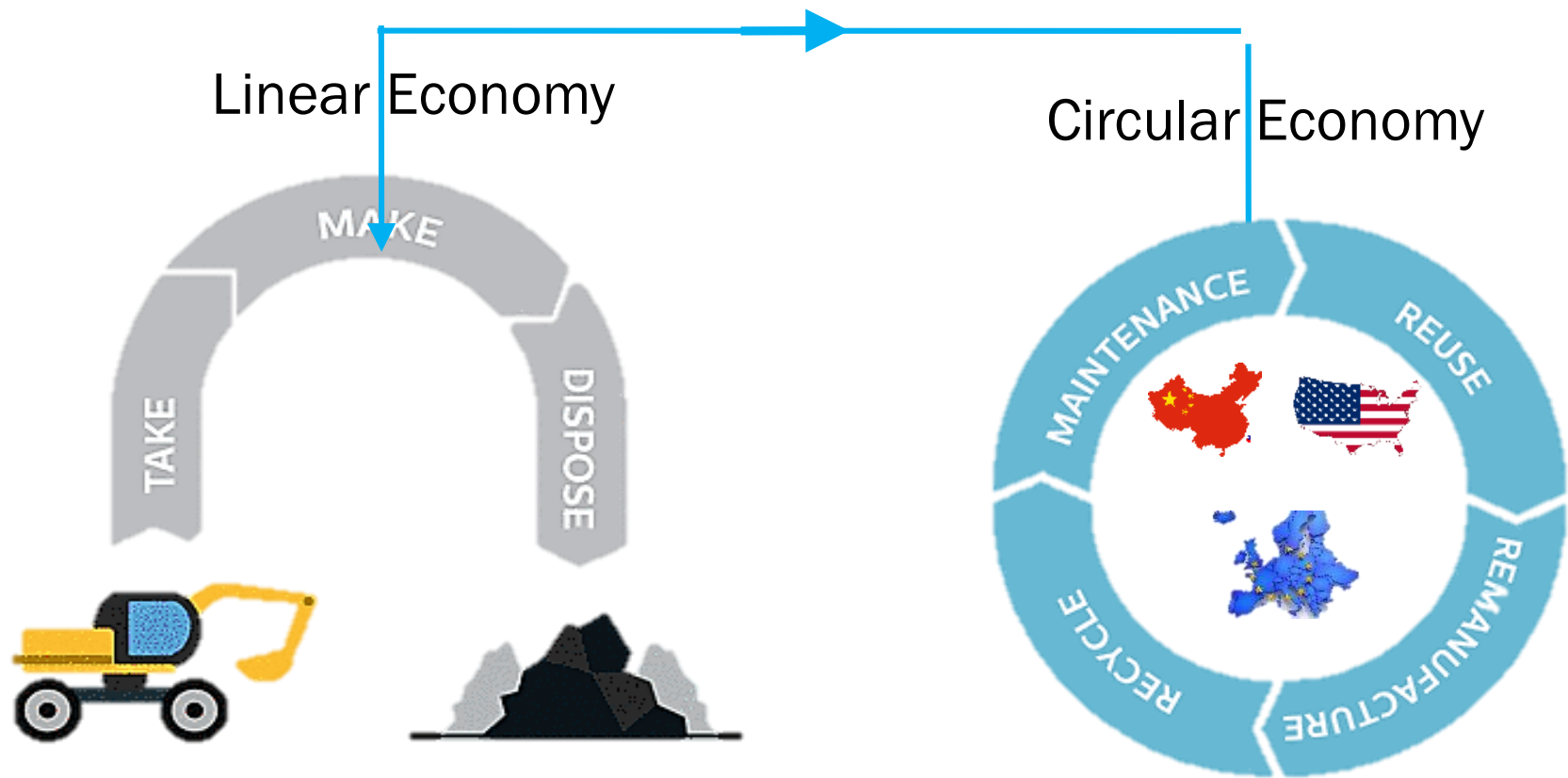
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# Recycling



# Transition to the Circular Economy

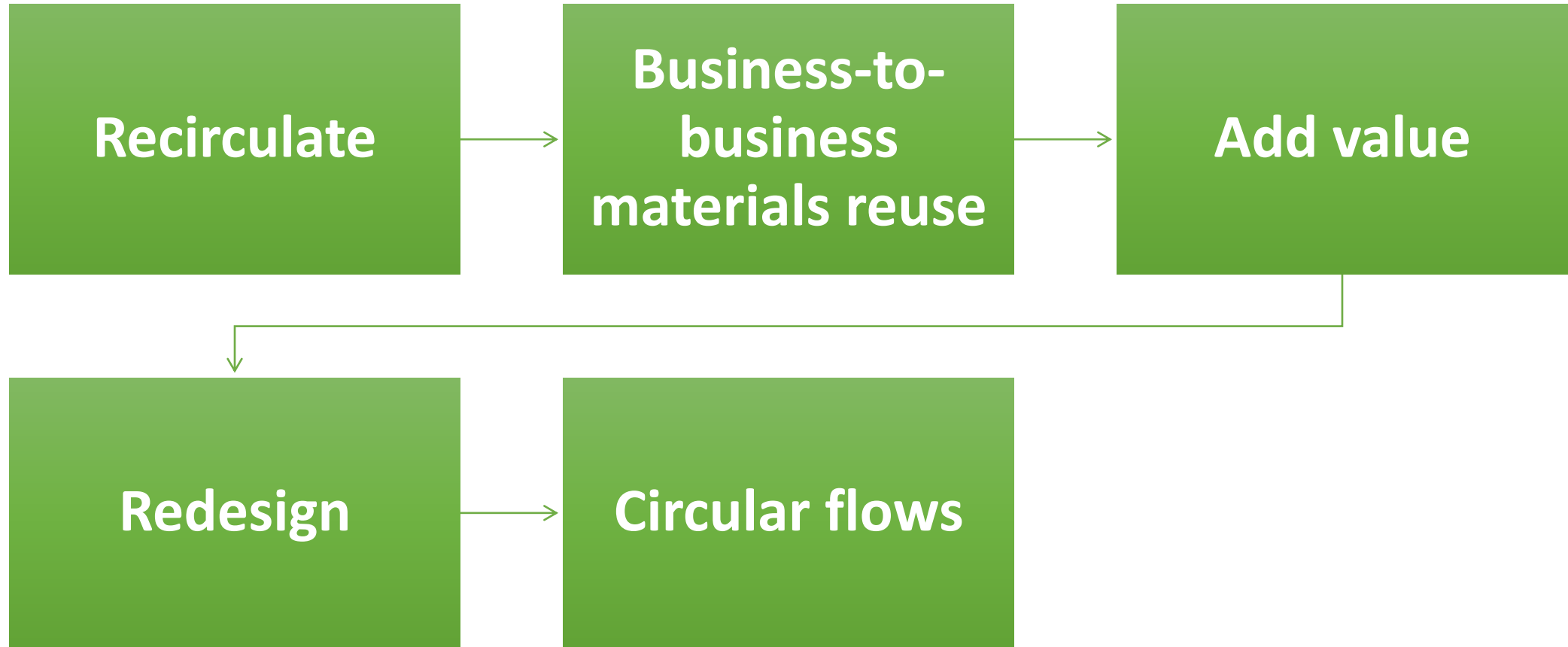


## 1

2

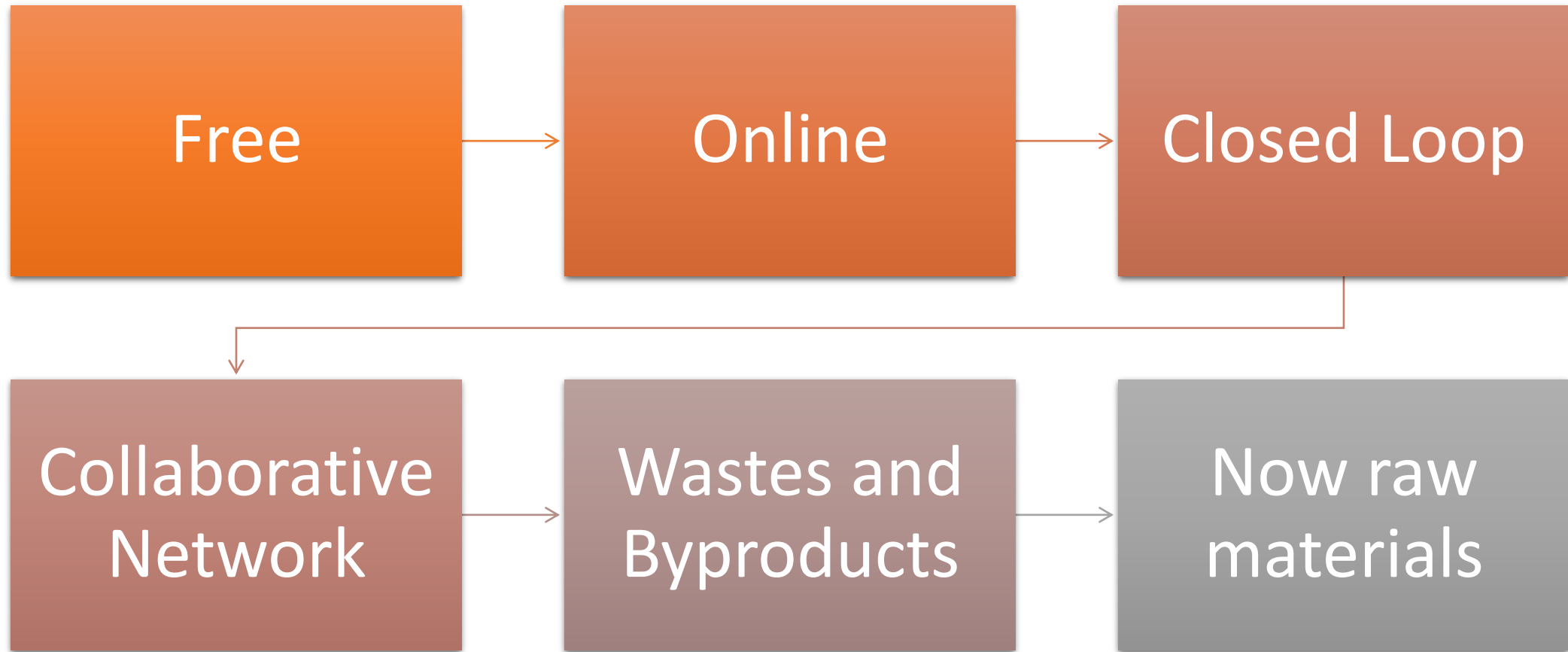
3

ELLEN MACARTHER FOUNDATION

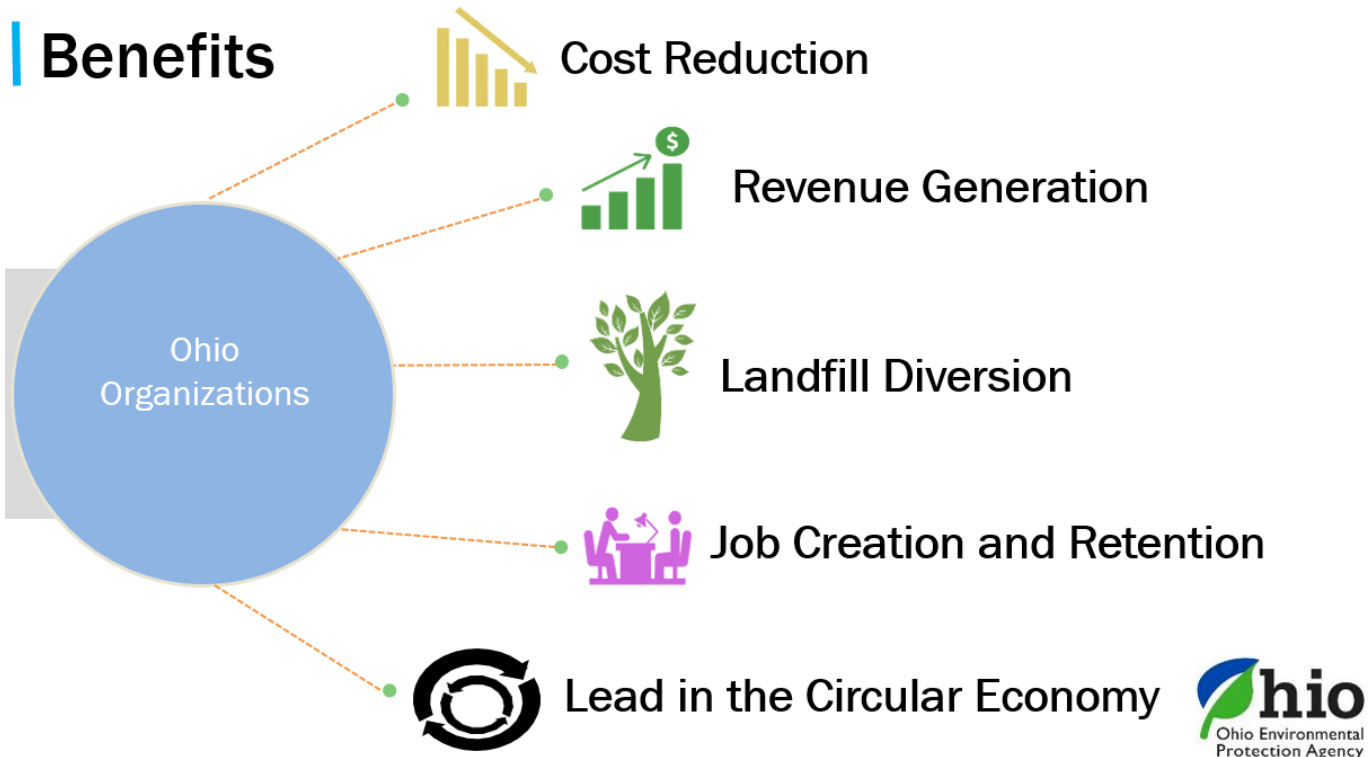


Circular Economy





# Ohio Materials Marketplace



The Sustainability Unit

# Ohio Materials Marketplace

**980** Organizations Participating

**3,526,830** Pounds Exchanged

**\$192,850** Savings Identified

# Ohio Materials Marketplace

A *free* online platform allowing businesses to connect and find *recycling* and *reuse* solutions for their waste and by-product challenges”.



# Materials Marketplace

The Ohio Materials Marketplace is an online network designed to facilitate cross-industry materials reuse among Ohio companies and organizations.

Through the online network, members can post and find available or needed by-products and materials and coordinate transactions with other members.



## Goals

1



Create economic value for Ohio businesses

2



Divert material from Ohio landfills

3



Make Ohio a leader in the circular economy

[ohio.materialsmarketplace.org](http://ohio.materialsmarketplace.org)



United States Business Council  
for Sustainable Development





# Join the Circular Economy

THE OHIO MATERIALS MARKETPLACE IS A FREE ONLINE PLATFORM ALLOWING BUSINESSES AND ORGANIZATIONS TO CONNECT AND FIND REUSE AND RECYCLING SOLUTIONS FOR WASTE AND BY-PRODUCT MATERIALS

GET INVOLVED



# Materials Marketplace

U.S. Business Council for Sustainable Development  
[Ohio.materialsmarketplace.org](http://Ohio.materialsmarketplace.org)

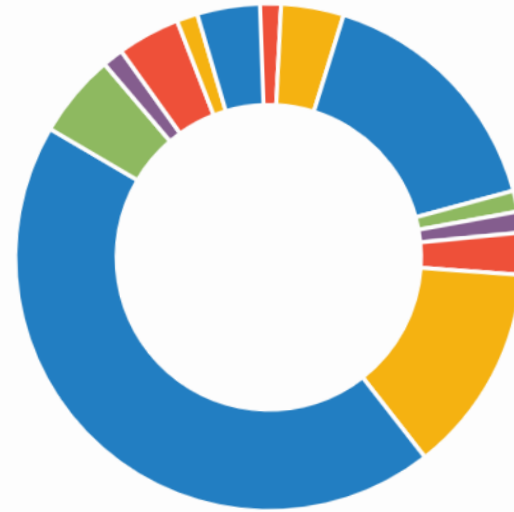
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"The Ohio Materials Marketplace positions Ohio as a leader in the circular economy - promoting jobs, allowing for better efficiency and savings and helping remove materials from the waste stream." -Craig W. Butler, Director Ohio EPA

149 Materials Available



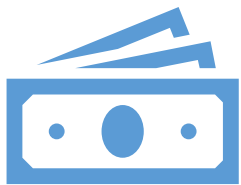
51 Materials Wanted





# What's on OMM?

Expanded polystyrene foam, pallet racking, scrap cardboard, and more!



## Economic Development

Identifies regionally available materials

Trillion dollar business opportunity

100,000 new jobs

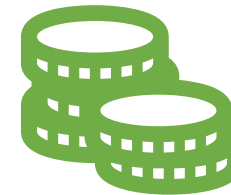


## Environmental Impact

Landfill diversion

Energy reduction

Land Use Impact & Water Use Reductions



## Cost Savings

Cheaper raw materials from industrial by-products and post-consumer recycled materials

Avoid landfill disposal fees

# OMM Benefits





*Delivering Label Solutions*

ID Images LLC, Brunswick

- Reduced solid waste by **37%**
- Saved **1,836 kWh** per year
- Used special shredder to convert waste into packing material



# The Cleveland Indians, Cleveland

- Green Venues Pledge
- Expanded recycling program (saves \$40,000)
- Installed solar panels (15,000 kWh per year)
- Reduced energy use (from 23 to 17 million kW/yr)
- 86 tons of food scrap to renewable energy



# OCAPP's P2/Sustainable Material Services

- On-site assistance
  - Identify and evaluate waste reduction opportunities
  - Work with businesses and communities to find most productive use and reuse of materials
  - Identify ways to reduce associated waste costs
  - Identify stewardship recognition opportunities



# Other P2 Resources

Documents & guidance

Online training

P2/sustainable material research and development

Engage in sustainability oriented partnership

Promote recycling practices/market development activities

OMM

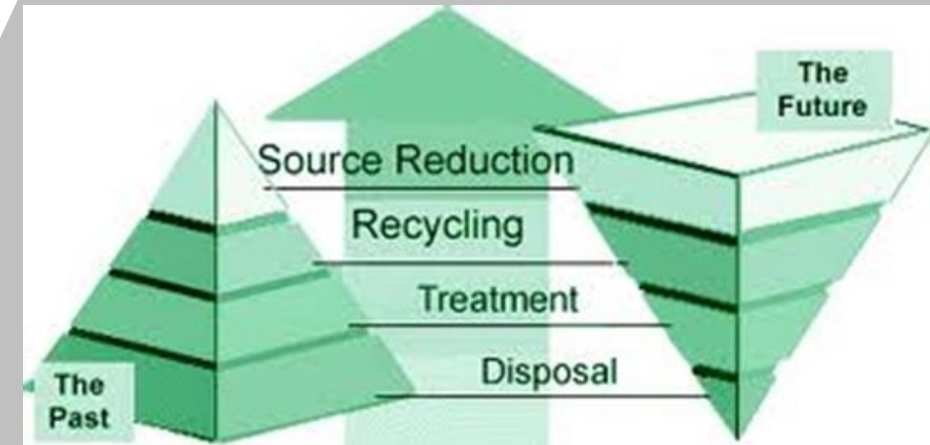
# Pollution Prevention and Sustainable Materials Specialists

Frank  
Basting

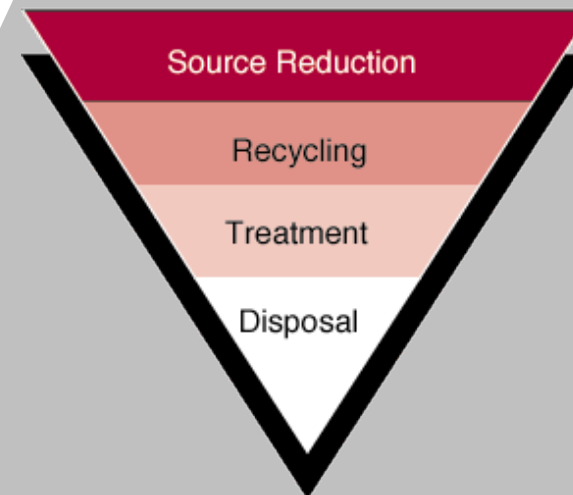
- (614)644-3544
- Frank.Basting@epa.ohio.gov

Bill  
Narotski

- (614)728-1264
- William.Narotiski@epa.ohio.gov



Pollution Prevention Hierarchy







**Congratulations - Gold winner**  
**Honda Plants in Marysville, East Liberty and Anna**



**Congratulations – Silver winner**  
**Washing Systems**



**Congratulations - Gold winner**  
**Crown Equipment Corporation, New Knoxville**



**Ohio EPA Awards Environmental Excellence to 10 Companies**

Recognition for going beyond?







ENCOURAGING  
Environmental  
EXCELLENCE

Ohio Environmental Protection Agency

Recognizing organizations  
committed to environmental excellence





# Platinum Level Recipients

- Highest level of E3 Recognition
- Organization commitment to Environmental Stewardship
- Community and regional environmental impact



# Columbus Zoo and Aquarium *Powell, Ohio*

- Carbon neutrality, Zero Waste, Geothermal Systems
- Reducing Energy and Water Use
- Increase Recycling Rates
- International Outreach on Sustainability Issues
- Assisting with potable water, solar, and composting efforts in Africa
- Local and Regional Partnerships



# Washing Systems *Loveland, Ohio*

- Environmentally sustainable laundry processing products and services
- Carrying U.S. EPA's Safer Choice label on five of their products
- Reduced or eliminated chemicals of concern, phosphates, energy and water use
- Reducing nutrients that can lead to hazardous algal blooms





# Ohio University Athens, Ohio

- Sustainability is a strategic priority
- Carbon Neutrality, Recycling, Composting
- Treatment of Acid Mine Drainage for Pigment Production





# Need money for recycling?

# Recycling and Litter Prevention Grants

- Cycle is October through early February
- Apply online through Ohio EPA's Customer Support Center
- Grant application process is competitive



# Recycling and Litter Prevention Grants

Grant Available	Term	Applicant Match	Business Eligibility	Amount Available
Community and Litter	1 year	25%	No	\$200,000
<u>Market Development</u>	2 years	100%	Yes	\$200,000
Scrap Tire	2 years	100%	Yes	\$300,000





# Important Dates

Applications Available

Information Webinar

1 Oct.

23 Oct.

14 Nov.

1 Feb. 2019

Information Meeting

Application Deadline

Funding available July 2019



# Recycling Grant Money Specialists

Marie  
Barnett

- (614)705-1019
- Marie.Barnett@epa.ohio.gov

Dave  
Foulkes

- (614)644-3118
- Dave.Foulkes@epa.ohio.gov

Kelsey  
Heyob

- (614)705-1013
- Kelsey.Heyob@epa.ohio.gov



[epa.state.oh.us/ocapp/grants.aspx](http://epa.state.oh.us/ocapp/grants.aspx)



**Sustainability Conference  
in Columbus April 17**

**#SustainableOH**

Ohio EPA's 2019 Sustainability Conference

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**Register Now!**

Questions?





Dan Sowry,  
Assistant Chief

- [Daniel.Sowry@epa.ohio.gov](mailto:Daniel.Sowry@epa.ohio.gov)
- (614) 728-8575

Lexie Andrews,  
Environmental  
Supervisor

- [Alexis.Andrews@epa.ohio.gov](mailto:Alexis.Andrews@epa.ohio.gov)
- (614) 644-3646

Contact