



Dan Sowry

Assistant Chief

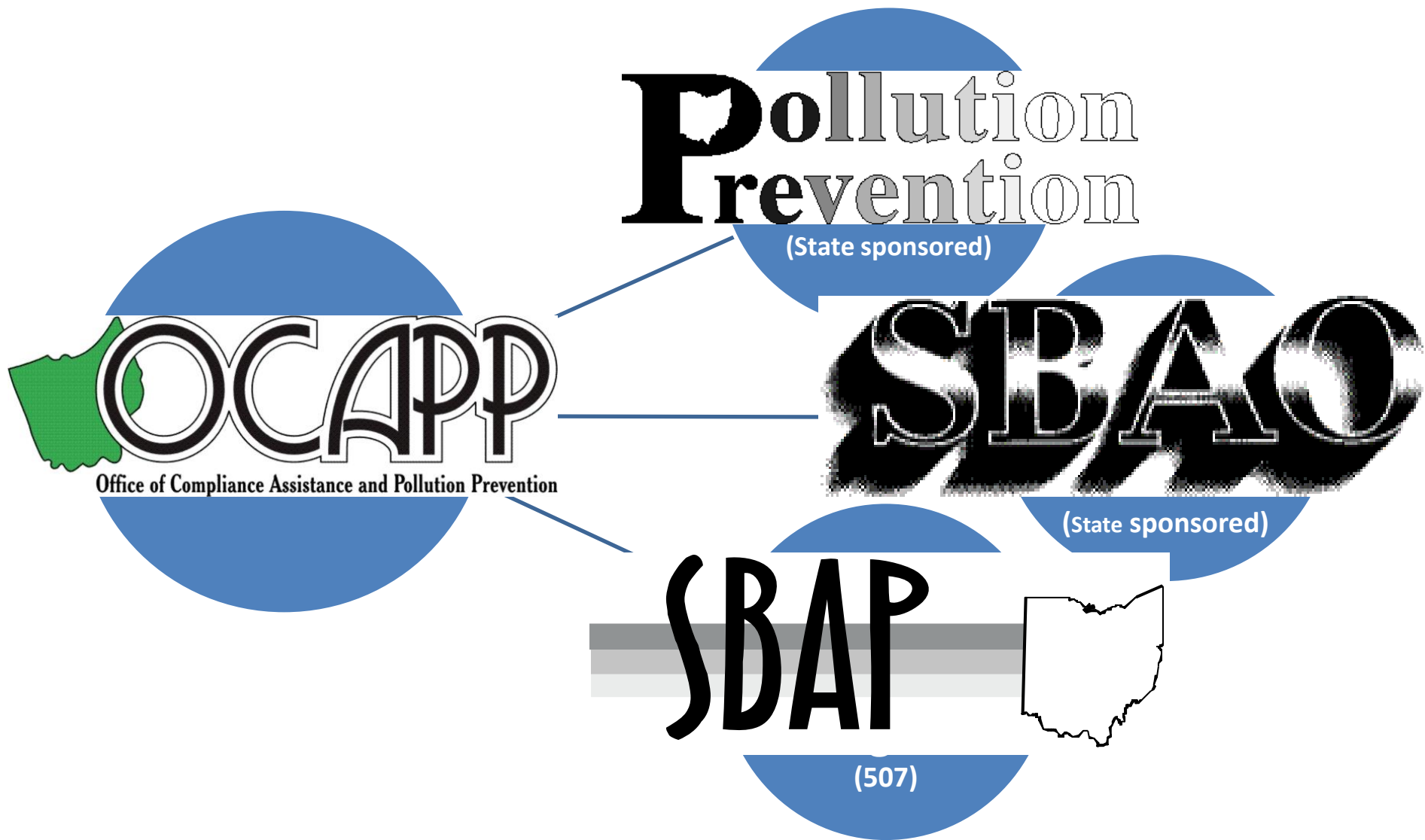
Division of Environmental & Financial Assistance

P2 Integration

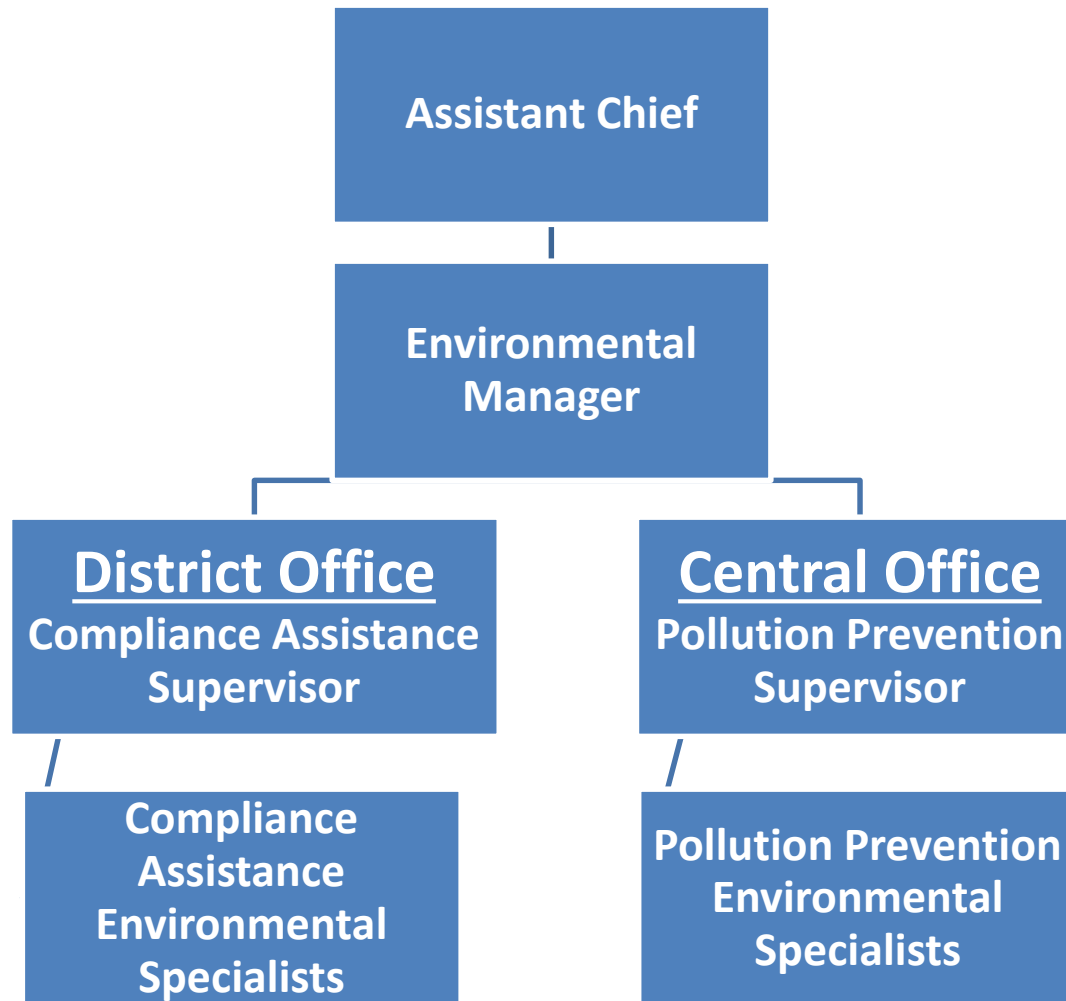
- **Background**
- **Who we are**
- **How we're organized**
- **Goals and Objectives**
- **P2 Integration**
 - **Implementation**
 - **Results**
- **Future Direction**



Background



Office Compliance Assistance & Pollution Prevention (OCAPP)



How Ohio EPA is Organized

Central Office and District Offices

Central Office &
Central District Office
Columbus

Northwest
District Office
Bowling Green

Northeast
District Office
Twinsburg

Southwest
District Office
Dayton

Southeast
District Office
Logan



OCAPP District Office CA Staff



Central Ohio OCAPP

- Environmental Specialist

Northeast Ohio OCAPP

- Environmental Specialist
- Environmental Specialist

Northwest Ohio OCAPP

- Environmental Specialist
- Environmental Specialist

Southwest Ohio OCAPP

- Environmental Specialist
- Environmental Specialist

Southeast Ohio OCAPP

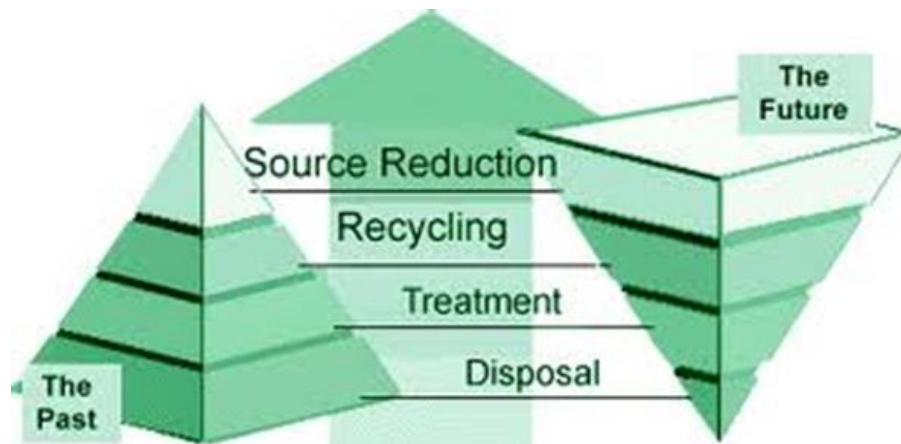
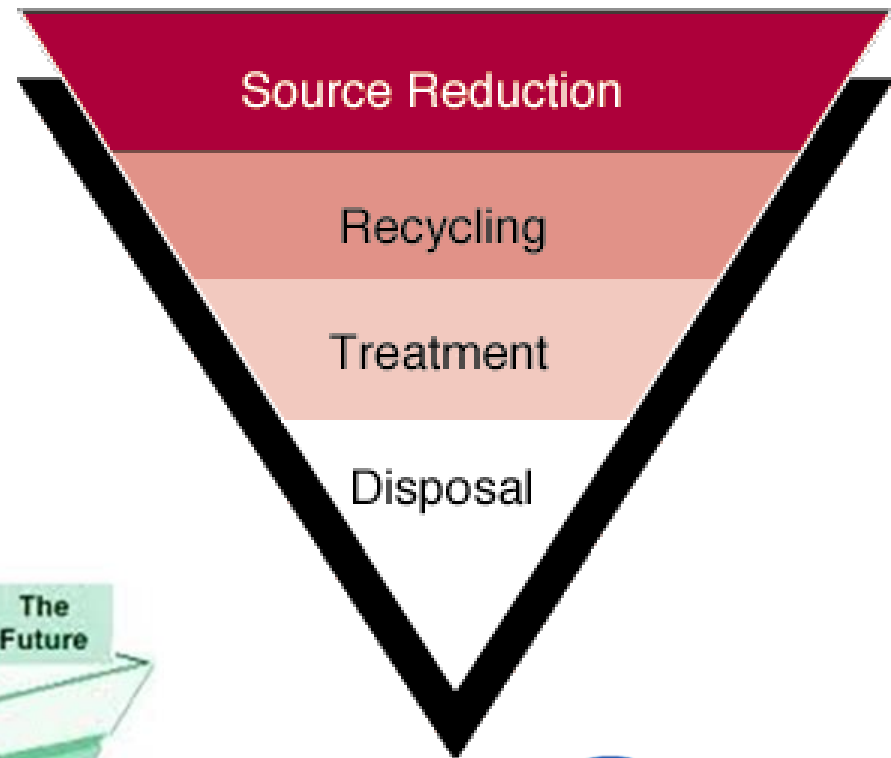
- Environmental Specialist

OCAPP Central Office P2 Staff

Central Office OCAPP

- Environmental Specialist
- Environmental Specialist
- Environmental Specialist
- Environmental Specialist

Pollution Prevention Hierarchy



OCAPP Annual Assistance Numbers:

- Assists >5,000 businesses
- Completes >1,000 permit applications
- Conducts 200-300 site visits
- Creates ~50 new publications



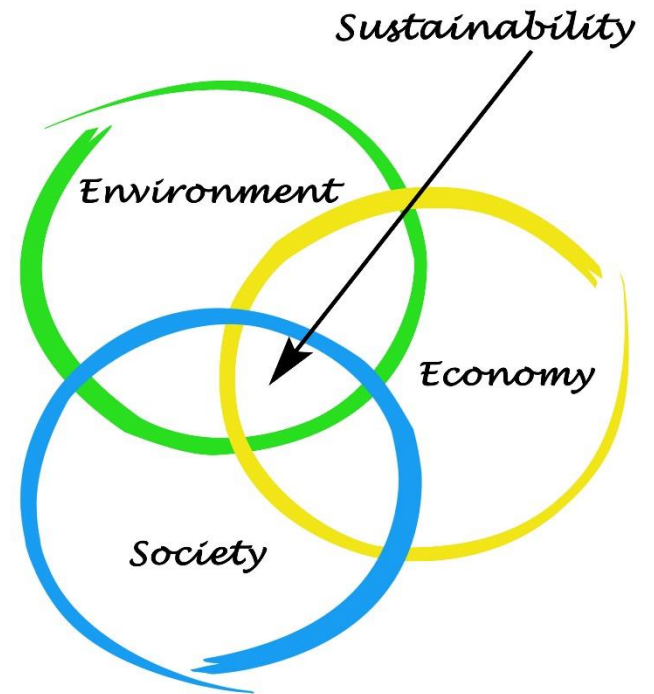
**Need Help with
Environmental
Issues?**



Goals and Objectives

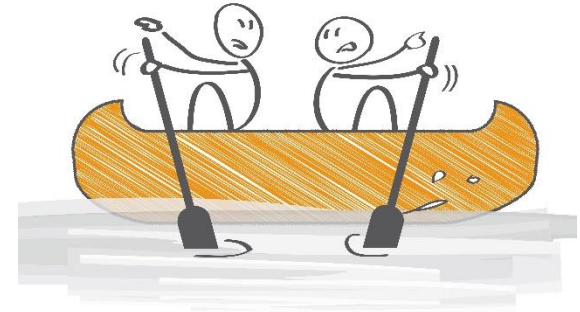
Primary Goal

Expand Pollution Prevention within OCAPP



Challenge

- District OCAPP staff focus on CA – not P2
- Central OCAPP staff focus on P2 – not CA
- Businesses challenged by regulations
- Many regulations can be avoided via P2
- Difficulty finding suitable P2 technologies



Solution

- District OCAPP staff accompany P2 staff
- Central OCAPP staff train District OCAPP staff
- Developed “toolkits”
 - Regulatory incentive
 - Industry specific lists
 - Process specific lists
 - In-the-field checklists
 - Incorporate P2 concepts into guidance documents
 - Central office OCAPP staff serve as SME’s



Outcome

- **Tripled the number of full blown P2 site visits**
- **Now helping thousands of businesses with P2**
- **Incorporated regulatory incentives in publications**
- **Increased Ohio Materials Marketplace exchanges**
- **Decreased number of permit applications**





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

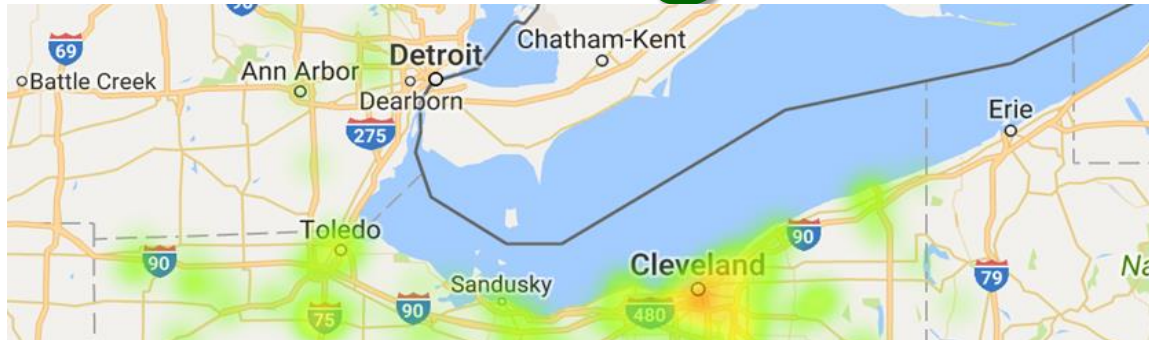
3



Make Ohio a leader in the circular economy

ohio.materialsmarketplace.org

OMM Integration



1 year results (April 2017 – April 2018)

- 700 users (buyers/sellers/transporters/processors)
- 160 materials posted (wanted and available)
- 3,360,900 pounds diverted from landfills
- \$152,564.08 user cost savings
- 139.4 MTCO2 reduced



Recognition Integration



PLATINUM LEVEL – 2 organizations recognized for having comprehensive environmental stewardship programs that benefit the local community and regional area.

Future Integration

- Recycling and Litter Prevention Grants

- Small 2017 Recycling Grant Program

Community:	\$1,501,197.27
Litter:	\$400,000.00
Market Development:	\$1, \$1,004,632,601.22 in 2017
Scrap Tire:	\$998,000.00
Total:	\$3,997,894.23



Anytown, Ohio



drinking water

wastewater

water intake

discharge

sewage

sludges/solids

Anytown, Ohio



water intake

drinking water

wastewater



• Compliance Assistance
• Pollution Prevention



discharge



• Compliance Assistance
• Pollution Prevention
• Recycling Market Development



sewage

sludges/solids



• Compliance Assistance
• Pollution Prevention
• Recycling/Litter Prevention



Thank You!



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