

Ohio Materials Marketplace



Joseph Klatt – Sustainability Unit, Ohio EPA

Agenda

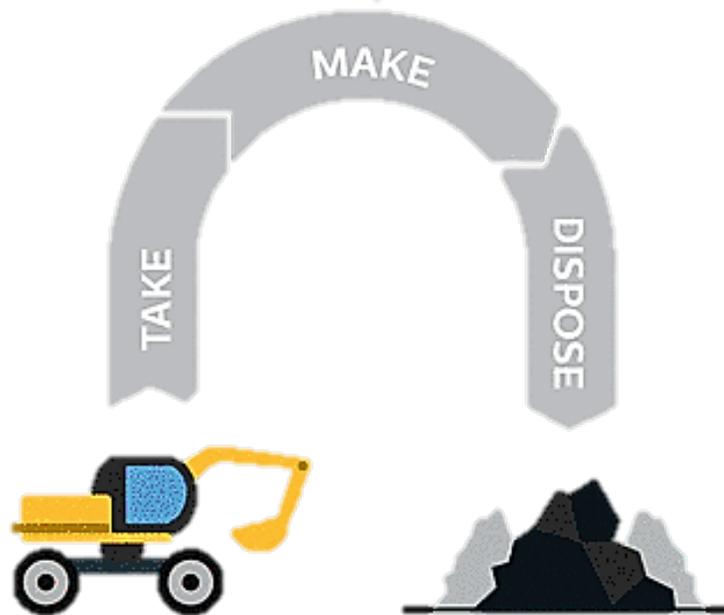
- 1 The Circular Economy
- 2 Program Overview
- 3 Participation Requirements
- 4 Materials Marketplace Software
- 5 Marketing



WASTE AS A RESOURCE

Two Models for the Material Economy

Linear Economy



Circular Economy



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



Materials
Marketplace

Program Overview



United States Business Council
for Sustainable Development

- From **Passive** to **Active**
- USBC SD Marketplace Software
- Create Economic Opportunities and Extend Landfills
- Free for Ohio Businesses and Organizations
- Member based program
- Extend Rights to SWMD & Ohio MR Non-profits

Participation Requirements

1. Provide Company Information
2. Criteria for Participation
 - a) Must have Operations in Ohio
 - b) Material Posted Must Be Located in Ohio
 - c) List Wanted or Available Materials Within Thirty Days
3. Read Information Disclosure
4. Read Liability Section
5. Agree to terms



Benefits



Cost Reduction



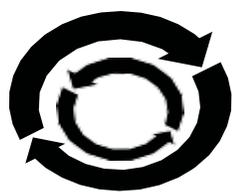
Revenue Generation



Landfill Diversion



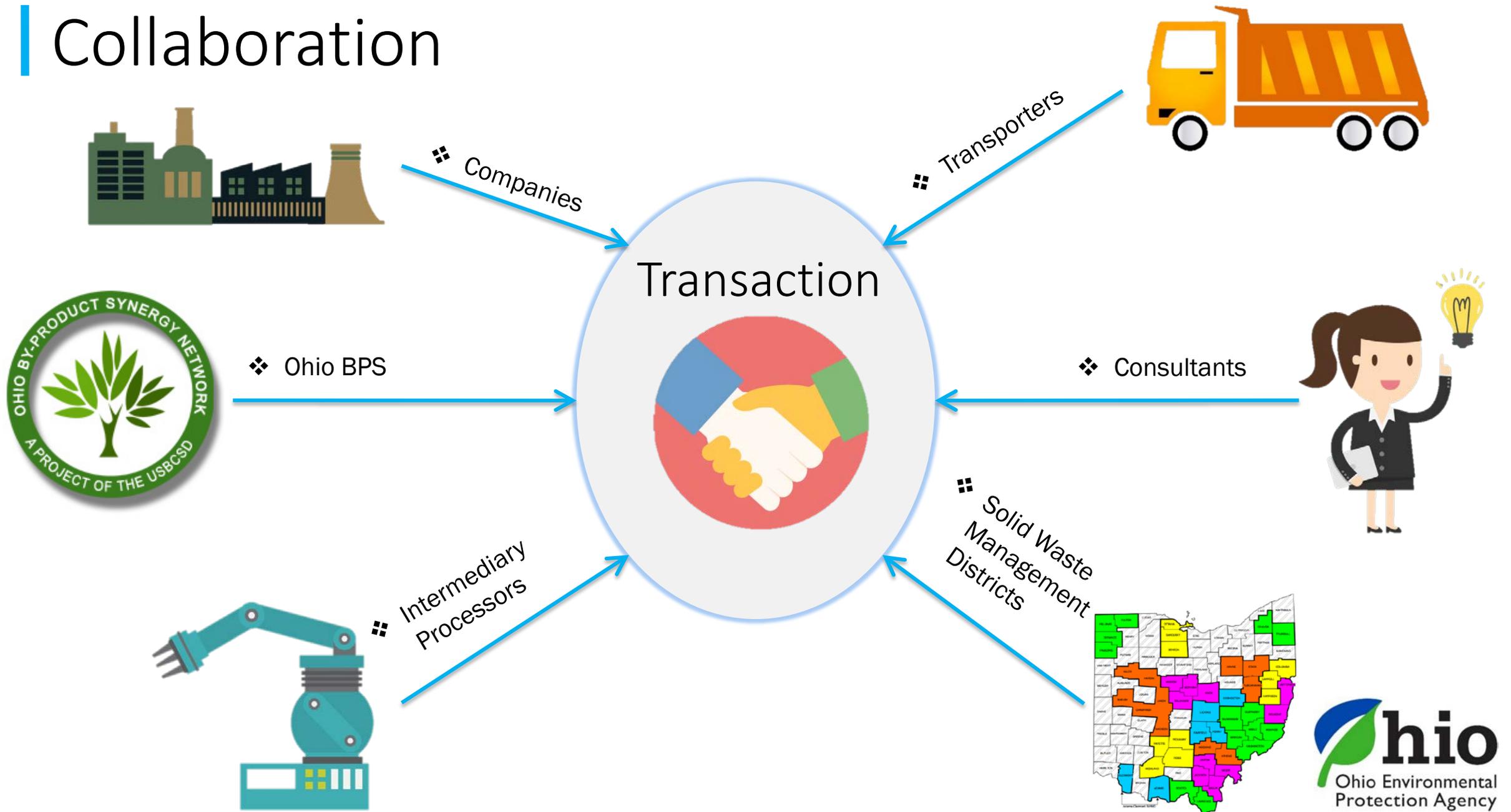
Job Creation and Retention



Lead in the Circular Economy



Collaboration



Software Walk Through



Join the Circular Economy

THE OHIO MATERIALS MARKETPLACE IS AN ONLINE PLATFORM DESIGNED TO FACILITATE CROSS-INDUSTRY MATERIALS REUSE AMONG OHIO COMPANIES AND ORGANIZATIONS

GET INVOLVED

Login

The Materials Marketplace project is hosted on the cloud-based Materials Marketplace software (or Marketplace). This award-winning online tool enables participating companies and project staff to easily post materials available or desired, identify reuse opportunities, exchange underutilized materials and convening discussion groups on certain topics or materials. Let's get started by logging into your account!

Log in to your account

joseph.klatt

Log in

Remember me [Did you forget your password?](#)

Browsing Materials

Try to search the material name, zip code, city name, company name...



Grid view

List view

Map view

Available Materials

Wanted Materials



Cement Kiln Dust
Available
Columbus, Ohio, 43215

Ash and Slag

Slag

Quantity5 Ton (t)

Recommend Material



Spent foundry Sand
Available
Minster, Ohio, 45885

Ash and Slag

Slag

Quantity20 Ton (t)

Recommend Material



Caustic Water
Available
Canton, Ohio, 44707

Water

Recommend Material



Spent Hydro treating Catalyst
Available
Canton, Ohio, 44707

Catalyst

Quantity500

Recommend Material



SCR Brick
Available
Byesville, Ohio, 43723

Mixed and undifferentiated materials

Recommend Material



Plastic Bottle Caps
Available
Columbus, Ohio, 43205

Plastics

Plastics - Rigid

Quantity9360 Pound (lb)

Recommend Material



Adhesives - free
Available
Findlay, Ohio, 45840

Solvents

Quantity430 Gallon (gal)



Aluminum Oxide
Available
Moraine, Ohio, 45439

Metals and Metal Sludge

Mixed

Quantity80000 Pound (lb)

Recommend Material

Try to search the material name, zip code, city name, company name...



Grid view

List view

Map view

Material Category

- Electronics
- Business Furniture, Fixture and Equipment
- Filter Cake and Sludge
- Metals and Metal Sludge
- Paper and Cardboard
- Plastics
- Inorganic Chemicals
- Ash and Slag
- Oils and Waxes
- Organic Residual
- Textiles and Leather

Location

- Columbus, Ohio
- Cleveland, Ohio
- Napoleon, Ohio
- Minster, Ohio
- Canton, Ohio
- Byesville, Ohio
- Findlay, Ohio
- Moraine, Ohio
- Cincinnati, Ohio
- Bowling Green, Ohio
- Fremont, Ohio
- Gibsonburg, Ohio
- Zanesville, Ohio
- Grove City, Ohio
- Free
- \$0 - \$100

Material Category ↑↓ ⇅

Name ↑↓ ⇅

Address ↑↓ ⇅

Electronics/Electronics (functional)	Monitors	3	500
Business Furniture, Fixture and Equipment/Business Furniture	Office desks	4	100
Filter Cake and Sludge/Sludge	Bauxite residual (red mud)	5	1000000
Paper and Cardboard/	Waste paper	7	20000
Plastics/	PET water bottles	8	5000
Inorganic Chemicals/	Spent Caustic	9	500
Filter Cake and Sludge/Sludge	Deinking sludge	10	2000
Ash and Slag/Coal Ash	Fly Ash	12	1000
Organic Residual/	Food Scrap	14	1
Textiles and Leather/	Used bed sheets	15	4
Ash and Slag/Slag	Steel Slag	16	1000000
Business Furniture, Fixture and Equipment/Office Appliances	2012 MacBook Pro	17	1
Ash and Slag/Slag	Steel Slag	18	1000000
/	Suni Deri	19	100

Try to search the material name, zip code, city name, company name...



Grid view

List view

Map view

Material Category

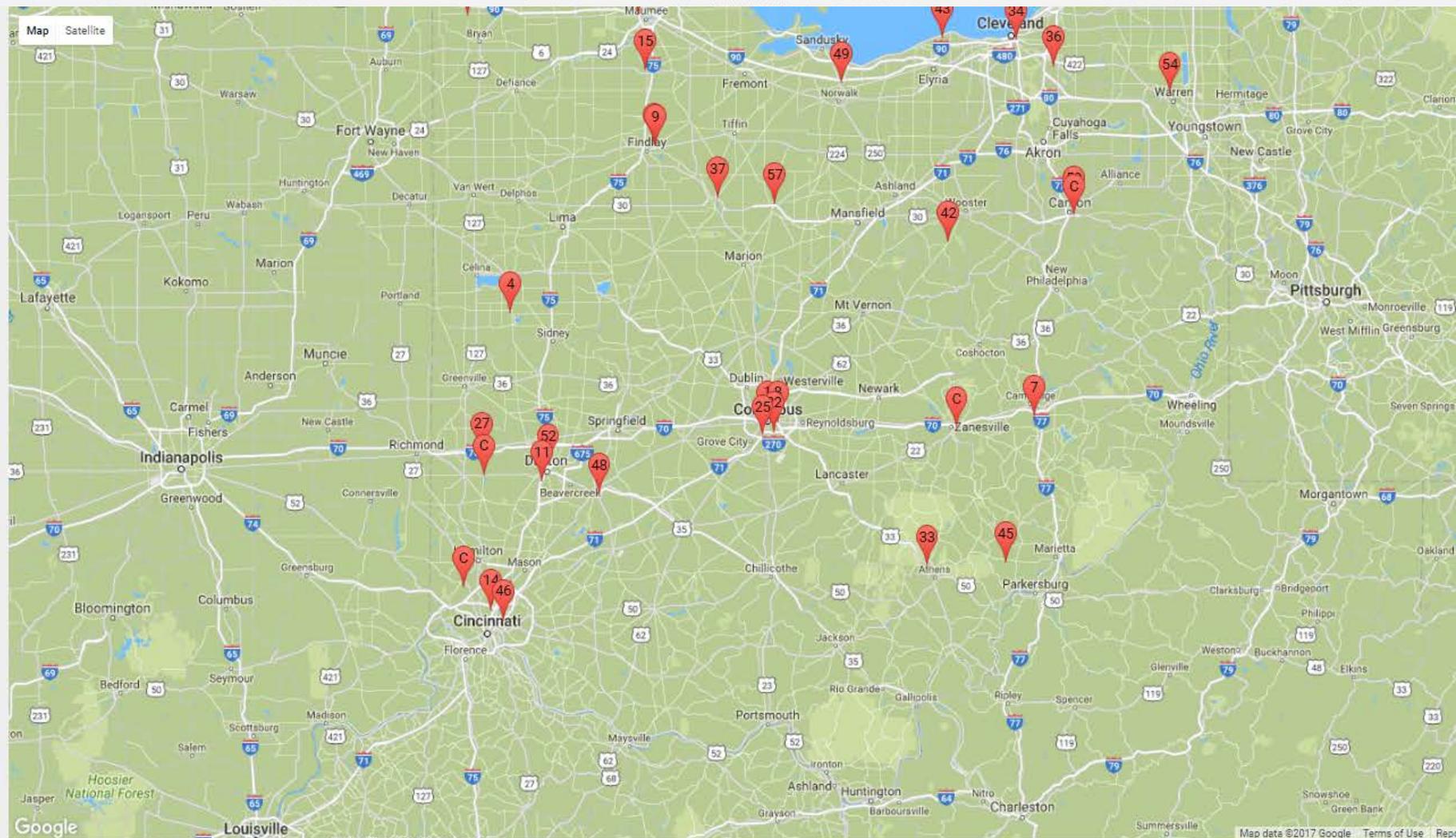
- Ash and Slag
- Catalyst
- Organic Residual
- Water
- Mixed and undifferentiated materials
- Plastics
- Solvents
- Metals and Metal Sludge
- Packaging
- Wood
- Construction and Demolition
- Inorganic Chemicals
- Rubber
- Minerals (non-metallic)
- Paints and Coatings
- Organic Chemicals
- Glass and Ceramics
- Paper and Cardboard
- Electronics

Material Classification

- excessraw
- nonhazardous
- unwanted
- byproduct
- uncertain
- hazardous

Location

- Columbus, Ohio
- Cleveland, Ohio
- Napoleon, Ohio
- Minster, Ohio
- Canton, Ohio
- Byesville, Ohio





Cement Kiln Dust

Price: USD 40 / Ton (t)

Qty: 5 Ton (t)

Ash and Slag

Slag

Company

Ohio EPA

Location

50 West Town Street, Columbus, Ohio, 43215

Description of the Resource:

Cement kiln dust (CKD) TEST

Cement kiln dust (CKD) is the fine-grained, solid, highly alkaline waste removed from cement kiln exhaust gas by air pollution control devices. Because much of the CKD is actually unreacted raw materials, large amounts of it can and are, recycled back into the production process. Some CKD is reused directly, while some requires treatment prior to reuse.

Frequency

Weekly

Size Description

Two Large Piles

Components Description

80% Calcium Carbonate 20% Silicon Dioxide

Disposal Method

Landfill

Conditions Info

Attachments

Files:

[REP-529.pdf](#)

[← Back](#)

[Add to watchlist](#)

[Contact](#)

[Expert Menu](#)

Uploading Materials

Available material

Wanted material

Upload materials from file

Add available material

Basic Info

Specific

Attachments

Price

Audience

Name

This field is required.

Material Category

-- select one category --

Description

Rich text editor toolbar with icons for bold, italic, underline, font color, background color, bulleted list, numbered list, indent, table, link, unlink, image, video, fullscreen, source code, and help.

This field is required.

Add available material

Basic Info

Specific Info

Attachments

Price

Audience

Size Description

Components Description

Disposal Method

Conditions Info

Previous

Next

Add available material

Basic Info

Specific Info

Attachments

Price

Audience

MSDS:

Drop MSDS file to upload or click here

Images:

Drop images to upload or click here

Files:

Drop files to upload or click here

Previous

Next

Add available material

- Basic Info
- Specific Info
- Attachments
- Price**
- Audience

Price

Currency

Previous **Next**

Add available material

Basic Info

Specific Info

Attachments

Price

Audience

Audience

- Public (viewable to everyone)
- MM users (only MM participants and project staff can view)

Previous

Save

Recommending Materials



Cement Kiln Dust

Price: USD 40 / Ton (t)

Qty: 5 Ton (t)

Ash and Slag

Slag

Company

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[Expert Menu](#)

Expert Menu

Selected Materials:

Material Category	Name	Address	Quantity
Ash and Slag/Slag	Cement Kiln Dust	50 West Town Street, Columbus, Ohio, 43215	5

Recommend Materials to:

None Selected

- ReWorks Summit/Akron Solid Waste Management Authority (ReWorks)
- Cuyahoga County SWMD Cuyahoga County Solid Waste District
- Team Green Recycling Team Green Recycling LLC
- Luke ENG & MFG Company Luke ENG & MFG Company
- English Bay Batter - Columbus English Bay Batter
- Nidec Minster Foundry - Minster Nidec Minster Foundry
- Americraft Manufacturing Company - Cincinnati Americraft Manufacturing Company
- Enviroserve-Cleveland Enviroserve
- Nexeo Solutions -Dublin Nexeo Solutions
- Land-Grant Brewing -Columbus Land-Grant Brewing Co.
- Hydrodec of North America -Canton Hydrodec of North America
- Innovative Organics Recycling -Athens Innovative Organics Recycling
- Detroit Reman East -Byesville Detroit Reman East
- Forum Manufacturing Inc -Milford Center Forum Manufacturing Inc
- Nissin Brake Ohio Inc. -Findlay Nissin Brake Ohio Inc.

Transaction



Cement Kiln Dust

Price: USD 40 / Ton (t)

Qty: 5 Ton (t)

Ash and Slag

Slag

Company

Ohio EPA

Location

50 West Town Street, Columbus, Ohio, 43215

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[← Back](#)

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[Expert Menu](#)

Conversation

Conversation

I want to start the conversation because

I am interested in this material and I need to consult more people

My current role is

buyer

Start Cancel

Material



Steel Slag

Price: \$14 / ton (t)

Qty: 1000000

Conversation

Conversation

+Invite



Rui HE

2016-11-21T21:44:03.000Z

Hello, Campbell. I would like to reuse some of your steel slag in my cement production process. Could you please give me more details on your material? Thanks!



Rui HE (buyer)
(you)



Campbell McNeill
(owner)

2016-11-25T03:48:01.000Z

Campbell McNeill



Ok, we generate 1 million tons of these slag material at our plant in Texas. We know they make perfect cement clinker. You can crush them into finer sizes if you like.

Enter message text

Send

Material



Steel Slag

Price: \$14 / ton (t)

Qty: 1000000

Transactions

Quantity

500000 / 1000000

Pending

Cancel the transaction

Conversation

Conversation

type user email address

expert

Send Cancel



Rui HE 2016-11-21T21:44:03.000Z

Hello, Campbell. I would like to reuse some of your steel slag in my cement production process. Could you please give me more details on your material? Thanks!



Rui HE (buyer) (you)

2016-11-25T03:48:01.000Z **Campbell McNeill**

Ok, we generate 1 million tons of these slag material at our plant in Texas. We know they make perfect cement clinker. You can crush them into finer sizes if you like.



Campbell McNeill (owner)

Enter message text

Send

Material



Steel Slag

Price: \$14 / ton (t)

Qty: 1000000

Transactions

Why do you cancel this transaction?

- Not match my expectation
- Some legal problems
- Others

Not match my expectation

Back
Submit

Conversation

Conversation

Send Cancel

 **Rui HE** 2016-11-21T21:44:03.000Z

Hello, Campbell. I would like to reuse some of your steel slag in my cement production process. Could you please give me more details on your material? Thanks!

 Rui HE (buyer) (you)

 Campbell McNeill (owner)

2016-11-25T03:48:01.000Z **Campbell McNeill**

Ok, we generate 1 million tons of these slag material at our plant in Texas. We know they make perfect cement clinker. You can crush them into finer sizes if you like.

Enter message text

Send

Material



Steel Slag

Price: \$14 / ton (t)

Qty: 1000000

Estimated Benefits

Economic:

Revenue Generated: / year

Environmental:

Gas Reduction: Metric tons of CO2 equivalent (MtCO2e)

Other:

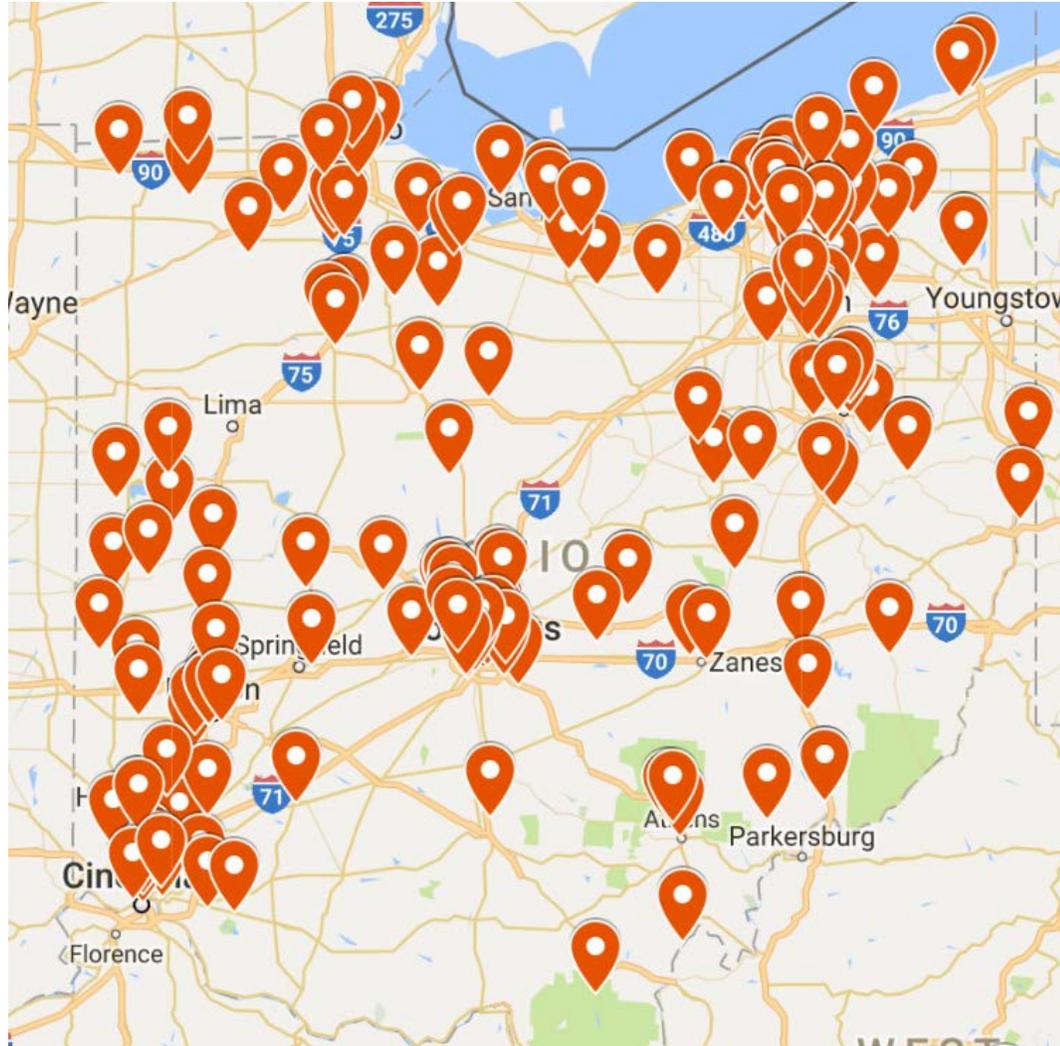
Societal:

Jobs Created:

Confirm Benefits

Reporting

Impact



235 Companies
Participating

300 Users

60 Materials Posted

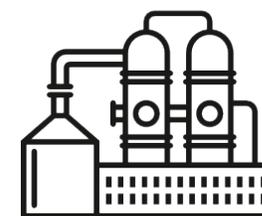
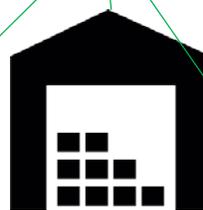
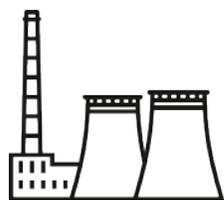
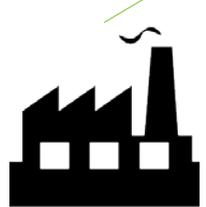
Outreach Model

The logo for Business Associations consists of three blue spheres of varying sizes. Below the spheres, the text "Business Associations" is written in a bold, black font, with the tagline "a big help to a small business" in a smaller, italicized font below it.

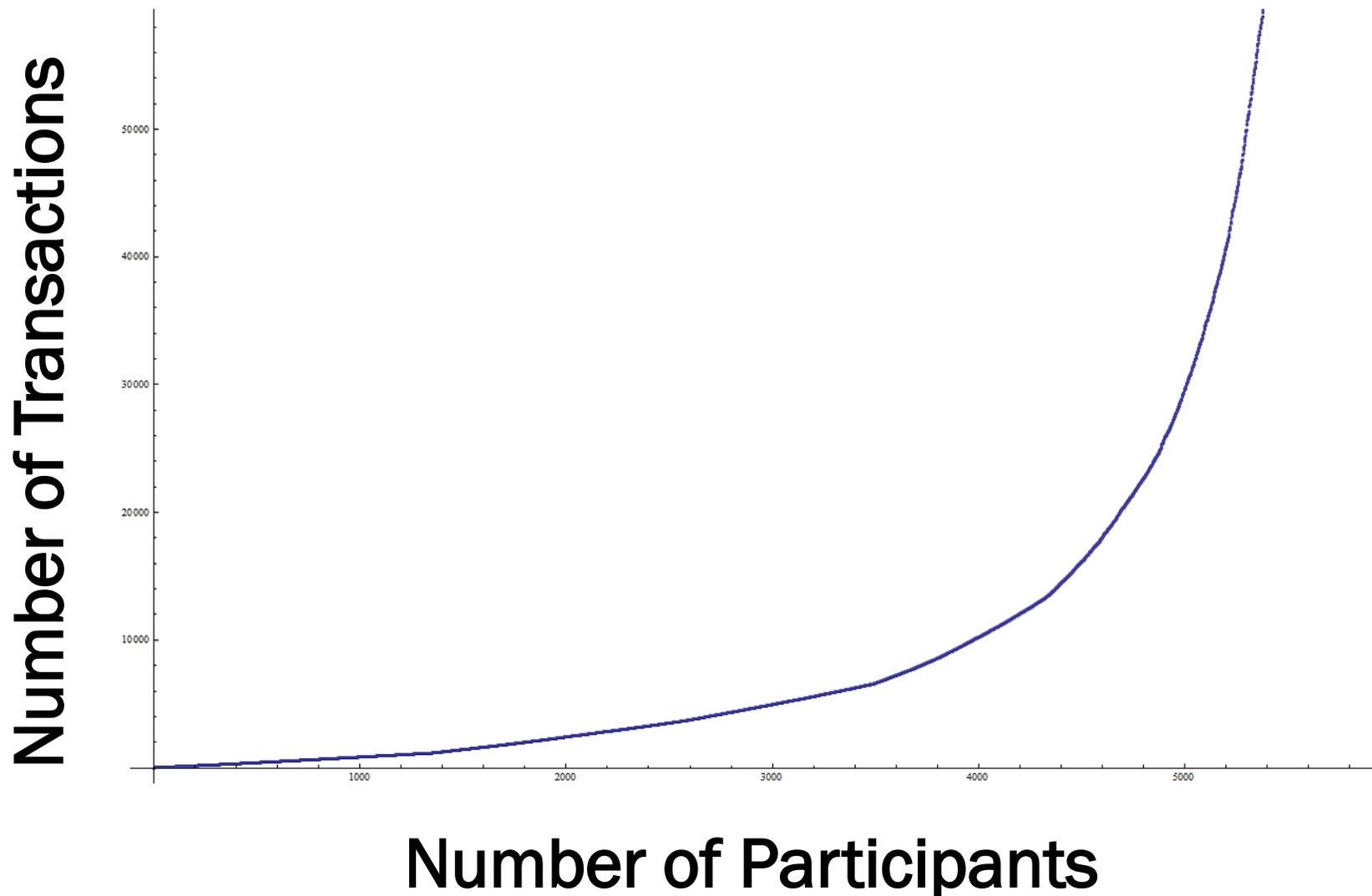
Business Associations
a big help to a small business

The logo for the Cuyahoga County Solid Waste Management District features a stylized tree with a brown trunk and a green, dotted canopy. Below the tree is a brown arc representing the ground. Underneath the arc, the text "CUYAHOGA COUNTY" is in a small, black font, and "Solid Waste Management District" is in a larger, bold, green font.

CUYAHOGA COUNTY
Solid Waste Management District



The Network Effect



*Value of the Network Increases exponentially as network participation grows

Visit:

[Ohio.materialsmarketplace.org/join](https://ohio.materialsmarketplace.org/join)

Thank you

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614-705-1147

Ohio.materialsmarketplace.org