

Ohio Materials Marketplace



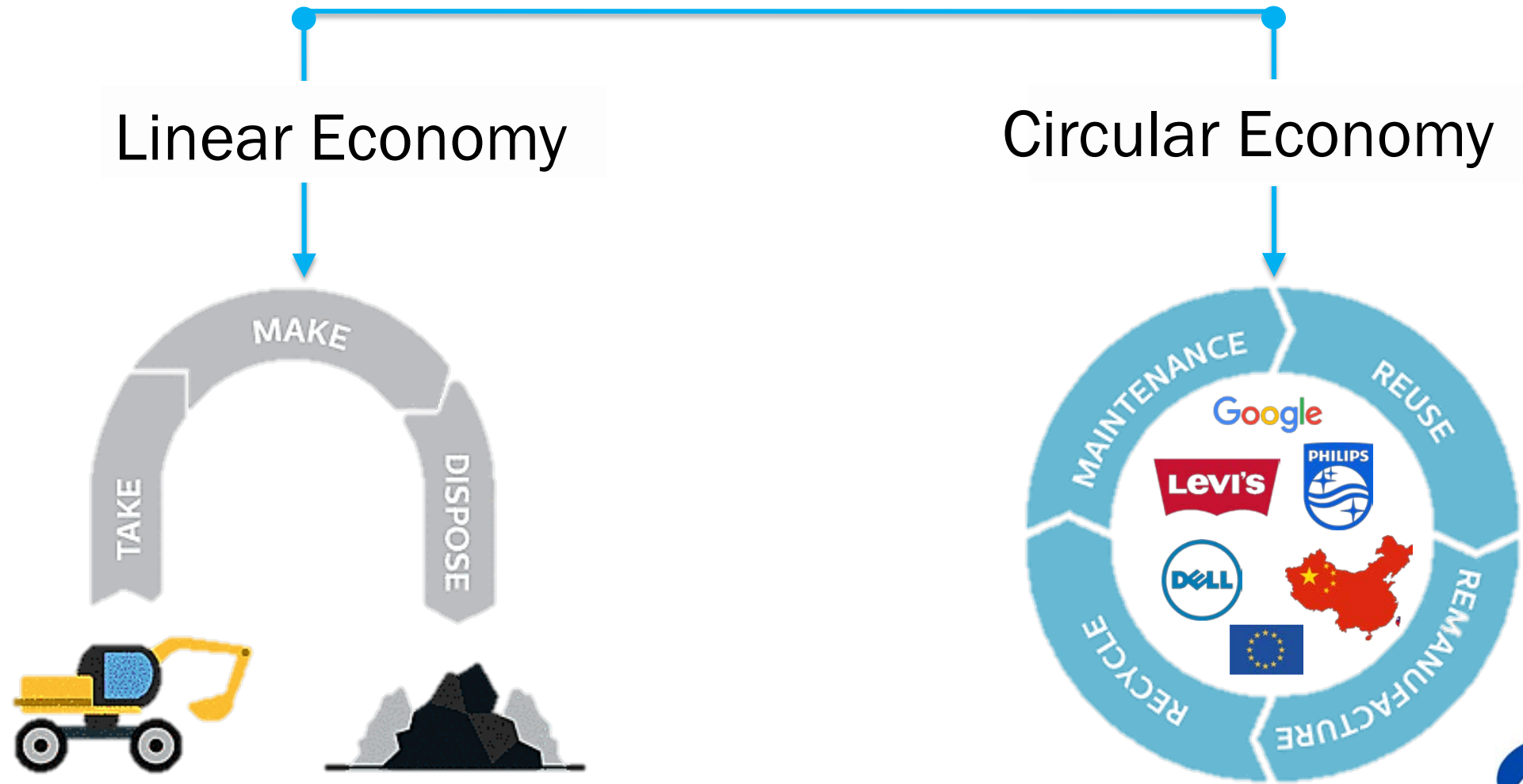
| Agenda

- 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



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

| 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



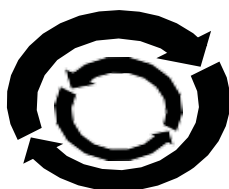
Revenue Generation



Landfill Diversion

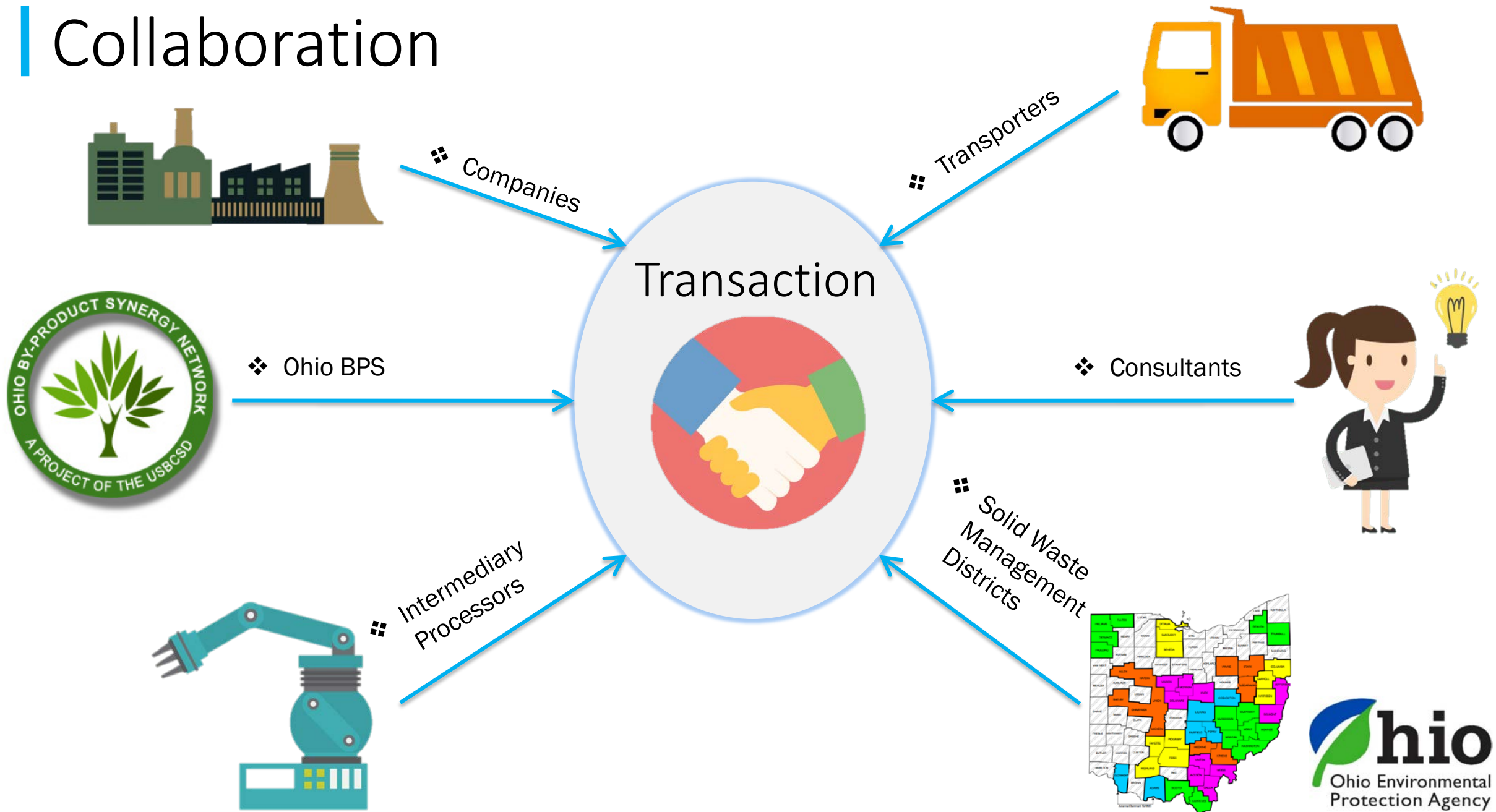


Job Creation and Retention



Lead in the Circular Economy

Collaboration



Software Walk Through



Materials
Marketplace

ABOUT

BENEFITS

HOW IT WORKS

LOGIN

JOIN

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 viewList viewMap 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

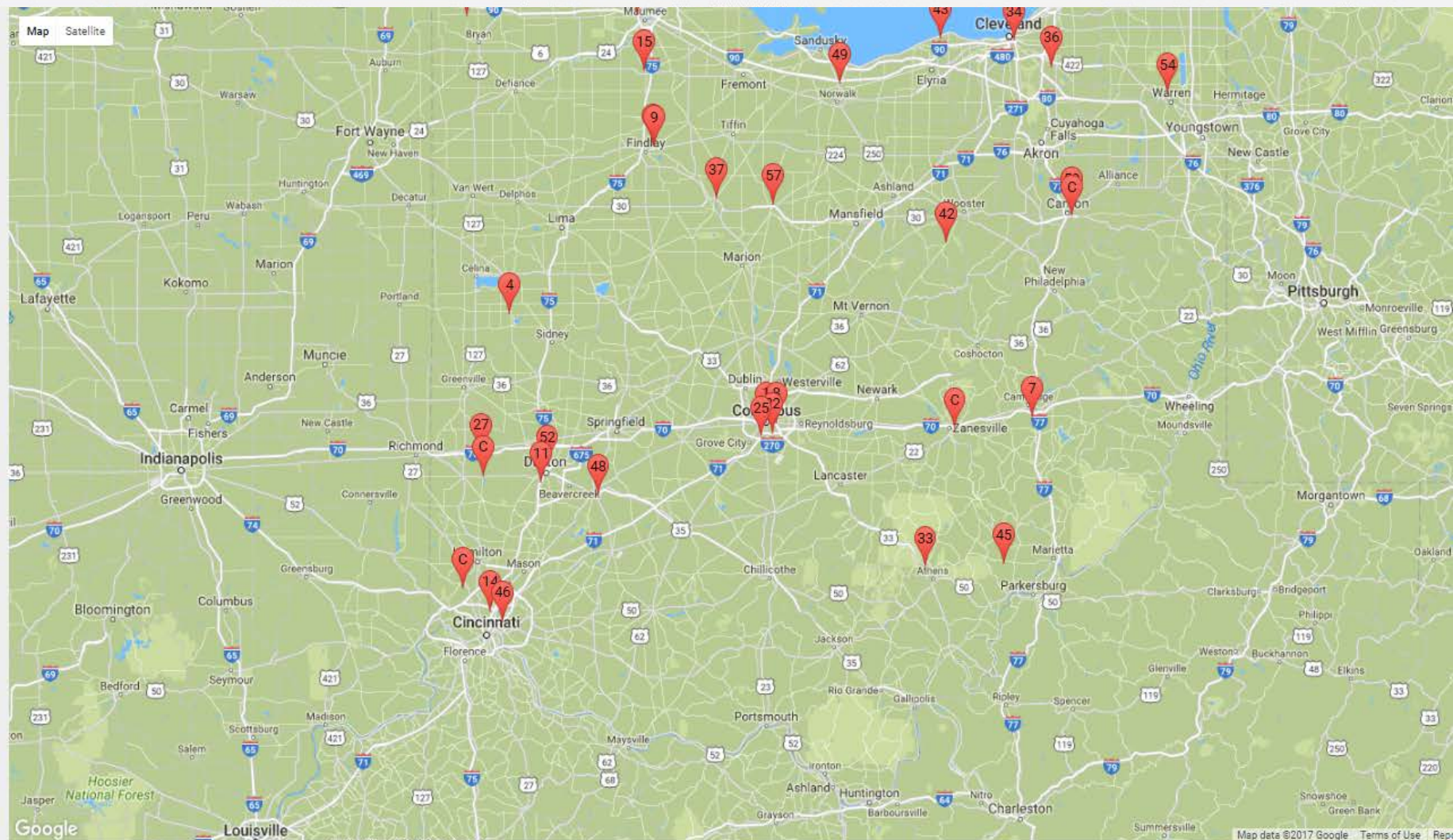
- ☐ Ash and Slag
- ☐ Catalyst
- ☐ Organic Residual
- ☐ Water
- ☐ Mixed and undifferentiated materials
- ☐ Plastics
- ☐ Solvents
- ☐ Metals and Metal Sludge
- ☐ Packaging
- ☐ Wood
- ☐ Construction and Demolition
- ☐ Inorganic Chemicals
- ☐ Rubber
- ☐ Minerals (non-metallic)
- ☐ Paints and Coatings
- ☐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

Material Classification

- ☐ excess
- ☐ raw
- ☐ nonhazardous
- ☐ unwanted
- ☐ byproduct
- ☐ uncertain
- ☐ hazardous

Location

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



Wanted Materials

Info →

Info →

Info →

Info →

Info →

Info →

Info →

Info →

Info →

Info →



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

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

Ohio EPA

Location

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Add to watchlist

Contact

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 - CincinnatiAmericraft 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.

TST - Lucas Co. - Findlay TST - Lucas Co.

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

Description of the Resource:

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Landfill

Conditions Info

Attachments

Files:

REP-529.pdf

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



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!

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.



Rui HE (buyer)

(you)



Campbell McNeill


(owner)

+Invite

Enter message text

Send

Material



Steel Slag

Price: \$14 / ton (t)

Qty: 1000000

Transactions

Quantity

500000 / 1000000

Pending

Cancel the transaction

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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)



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

Why do you cancel this transaction?

- ☒ Not match my expectation
- ☐ Some legal problems
- ☐ Others

Not match my expectation

Back

Submit

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)



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:

50000

USD

/ year

Environmental:

Gas Reduction:

323

Metric tons of CO2 equivalent (MtCO2e)

Other:

Societal:

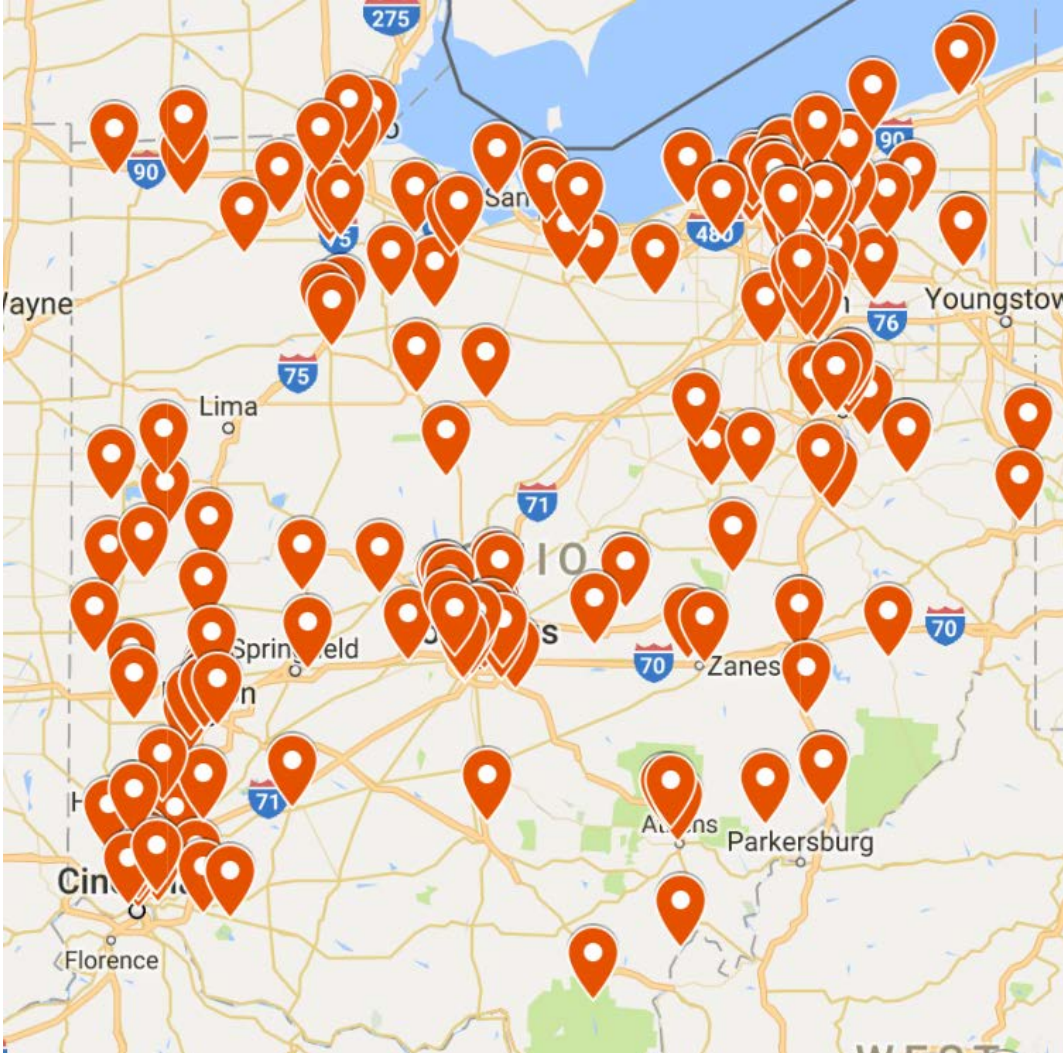
Jobs Created:

1

Confirm Benefits

Reporting

Impact

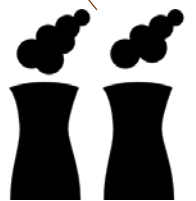
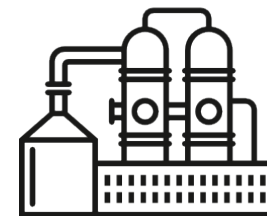
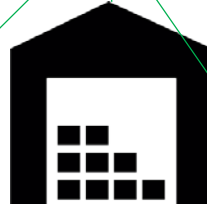
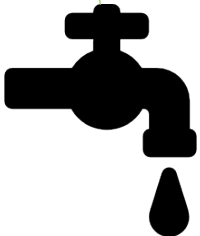
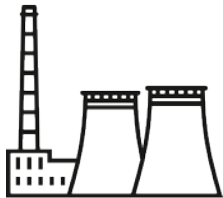
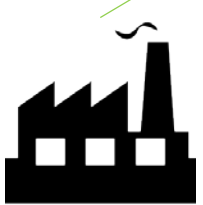


235 Companies
Participating

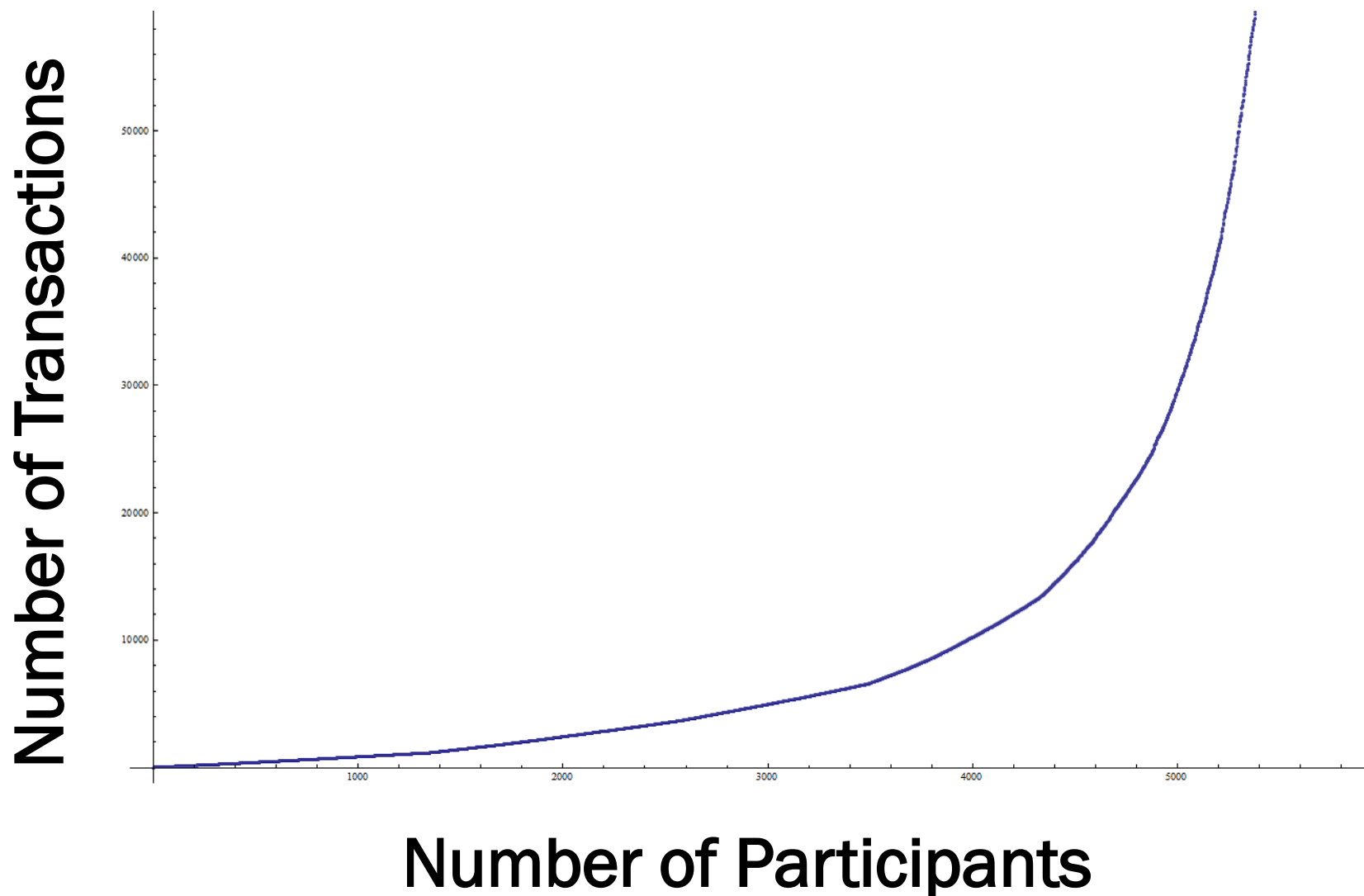
300 Users

60 Materials Posted

Outreach Model



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