



FOODSERVICE PACKAGING
INSTITUTE®

Foodservice Packaging Recovery

Michigan Recycling Coalition Conference
May 16, 2019



- Established in 1933
- Only industry trade association in North America solely focused on all single-use foodservice packaging products
- Members include:
 - Converters and their raw material and machinery suppliers (represents about 90% of the industry)
 - Foodservice distributors and operators

FPI's Recovery Groups

Paper Recovery Alliance
(PRA)

Plastics Recovery Group
(PRG)



Foam Recycling Coalition
(FRC)

Paper Cup Alliance
(PCA)

- Develop and promote economically viable and sustainable recovery solutions for foodservice packaging
- Show that voluntary, industry-based recovery initiatives work...and that new government-mandated solutions are not needed

Foodservice Packaging

Single-use foodservice ware and packaging used by foodservice establishments

Specifically, our work focuses on:

- Cups (including sleeves)
- Containers
- Boxes
- Paper bags



Overview of Approach

OVERALL
GOAL

Increase Recovery of FSP

INCREASING
ACCESS

Add Community Access

Track Access

Encourage
Spontaneous Uptake

Communicate Access

FOUNDATIONAL
WORK

Resolve End Market Barriers

Dispel Myths

Member Support

Questions We've Answered



<p>How much material is available? Estimated material generation</p>	<p>Who's recycling FSP? Conducted MRF Benchmarking Study</p>	<p>Are there end markets for FSP? Published end markets map</p>	<p>What are the access rates for FSP? Co-sponsored SPC Centralized Study on the Availability of Recycling</p>	<p>Where are domestic end markets for Paper FSP?</p> <ul style="list-style-type: none"> • Surveyed mills • Confirmed 16 mills accepting paper cups 		
<p>Will the material flow to the right bale? Co-sponsored MRF Material Flow Study</p>		<p>How to expand end markets for FSP? Engaged in end market outreach, partnerships & development</p>				
2012	2013	2014	2015	2016	2017	2018
<p>Where is the material available to be collected? Learned curbside had greatest volume for collection</p>	<p>Is food residue a problem?</p> <ul style="list-style-type: none"> • Food Residue Study (Boston) • Food Residue Study (Delaware) <p>Found little to no difference between FSP versus other commonly recycled food packaging</p>		<p>How much FSP arises in bales?</p> <ul style="list-style-type: none"> • Analyzed mixed paper bales in Seattle and NYC • Co-sponsored Rigid Plastics Bale Audit 	<p>What messaging is clearest for residents? Conducted National Resident Messaging Survey</p>	<p>How to add FSP to city's materials? Developed image library, flyers, ads, video, best practice language</p>	<p>How does compostable FSP contribute as a feedstock? Study found compostable FSP provided the same benefit as traditional carbon / bulking materials</p>
<p>How will FSP impact the bale? Estimated impact</p>		<p>Which cities and composters accept FSP? Co-sponsored BioCycle residential study and surveyed composters</p>				

Overviews of studies available at www.recycleFSP.org.

What FPI Offers Communities & MRFs



Information,
research data



Technical assistance on
operational questions



Support in end
market dialogues



Resident Education
materials (e.g. flyers,
templates, graphics)



Communications
grants to assist with
resident education

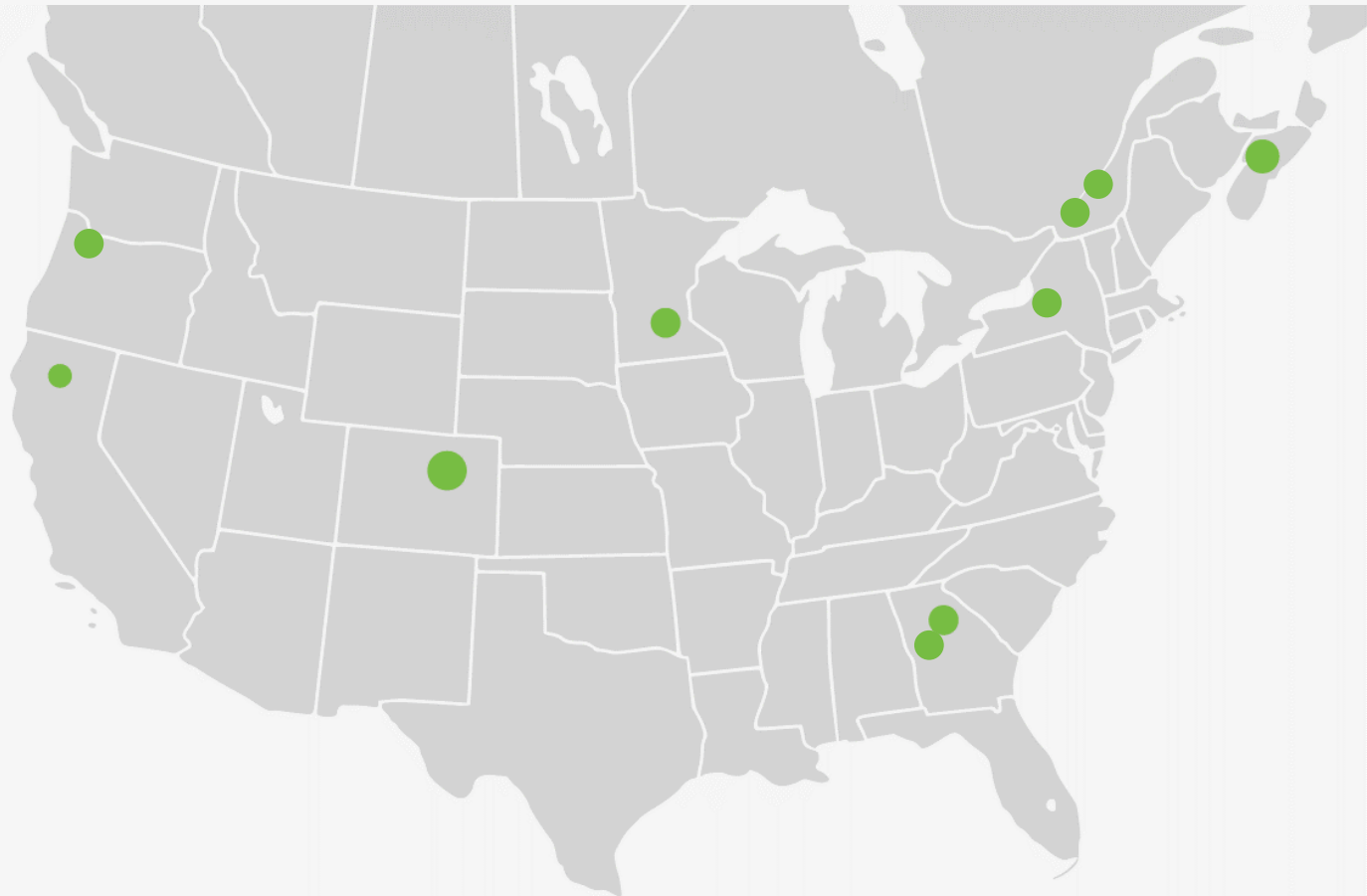


Equipment grants

FRC Grant Communities

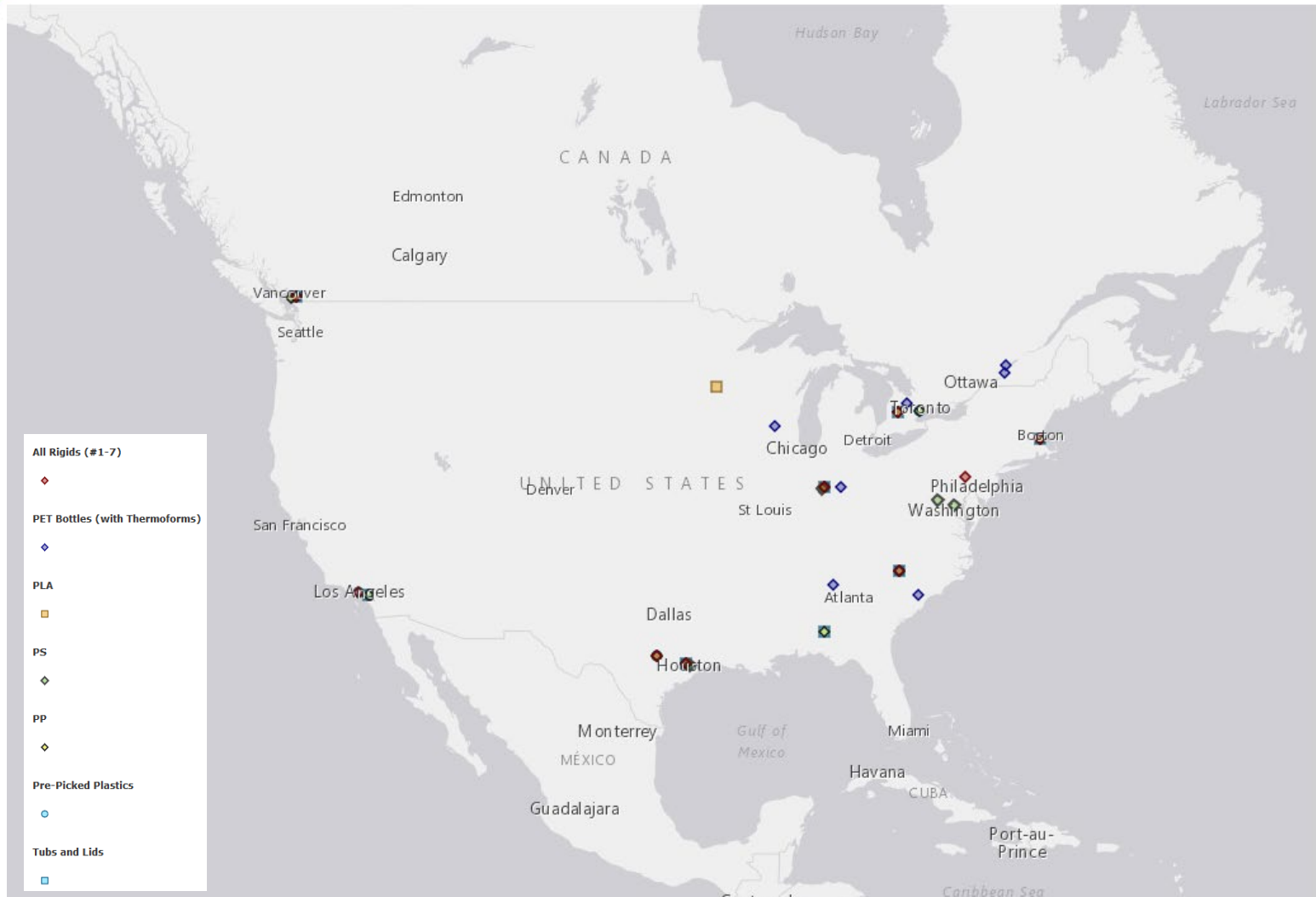
FRC GRANT COMMUNITIES

- Metro Denver, CO
- Colchester County, Nova Scotia
- Athens-Clarke County, GA
- McLeod County, MN
- Redding, CA
- Madison County, NY
- Agilyx – Tigard, OR
- Pyrowave – Valleyfield, Quebec, Canada
- Gaudreau Environment – Victoriaville, Quebec, Canada
- Atlanta, GA

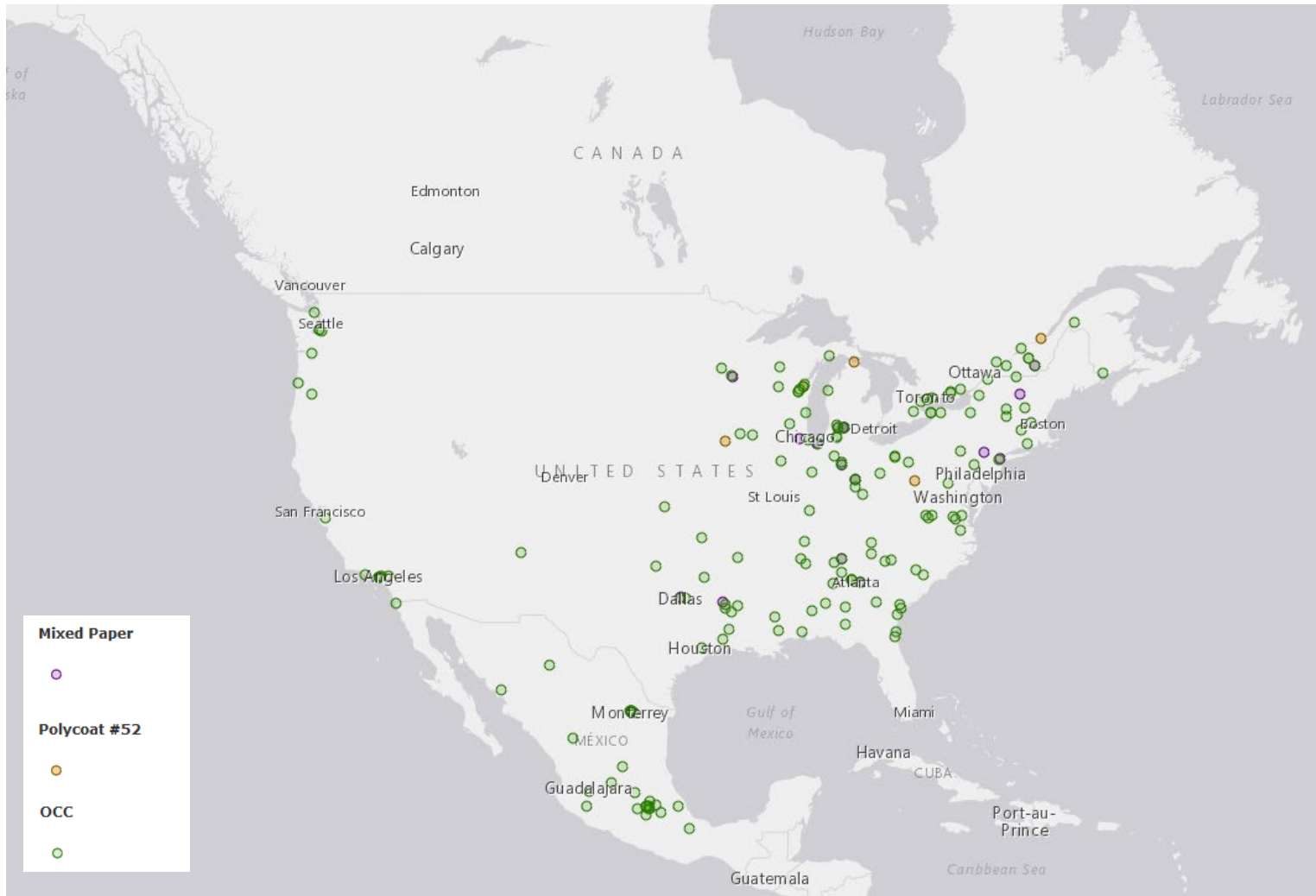


as of 04/2019

North American End Markets for Plastic FSP



North American End Markets for Paper FSP



rev. 5/2019

End Markets for Post-Consumer Paper Cups

Mixed Paper Markets

Graphic Packaging International, Battle Creek, MI

Graphic Packaging International, East Angus, QC

Graphic Packaging International, Middletown, OH

Graphic Packaging International, Kalamazoo, MI

Pratt, Conyers, GA

Pratt, Shreveport, LA

Pratt, Staten Island, NY

Pratt, Valparaiso, IN

WestRock, Aurora, IL

WestRock, Battle Creek, MI

WestRock, Chattanooga, TN

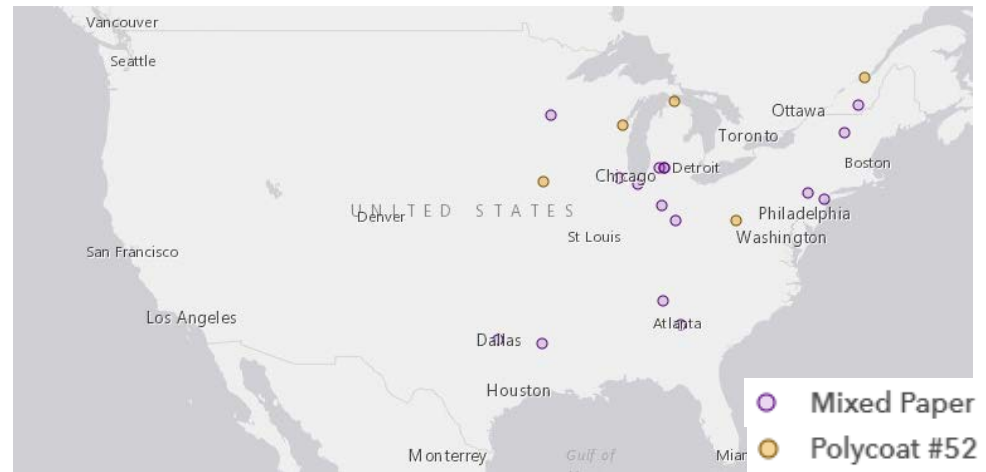
WestRock, Dallas, TX

WestRock, Eaton, IN

WestRock, Missisquoi, VT

WestRock, St. Paul, MN

WestRock, Stroudsburg, PA



Polycoat / Carton Markets

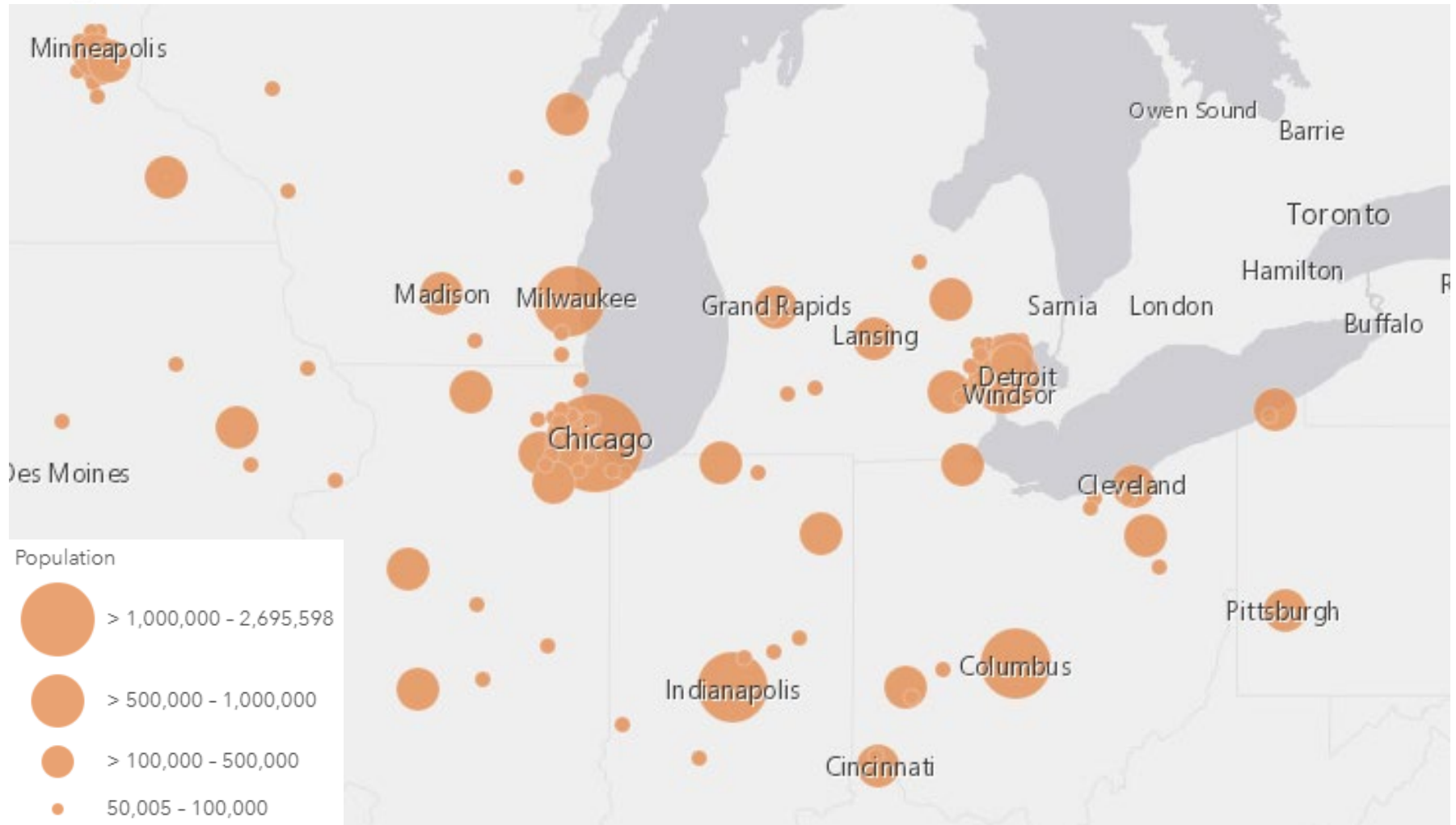
Great Lakes Tissue, Cheboygan, MI

Resolute, Fairmont, WV

Sustana (Breakey Fiber), Levis, QC

Sustana (Fox River Fiber), DePere, WI

Example of Potential Targets for Paper Cup Recycling



Visit RecycleFSP.org for more info:

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The screenshot shows the website for the Foodservice Packaging Institute (FPI). The header includes the FPI logo and a navigation menu with links for HOME, ABOUT FPI, FOODSERVICE OPERATORS, COMMUNITIES, MATERIALS RECOVERY FACILITIES, END MARKETS, COMPOSTING & AD FACILITIES, and FAQs. The main heading is 'Foodservice Packaging Recovery Toolkit'. Below the heading is a paragraph: 'Recovering Foodservice Packaging (FSP) can have substantial benefits in cost-saving waste reduction, revenue generation, reduction of environmental impact and positive expectations from residents and customers. No matter what role you play in recovering foodservice packaging, this Toolkit has something for everyone.' This is followed by another paragraph: 'This Recovery Toolkit presents lessons learned in successful recovery of foodservice packaging. It is a comprehensive resource on what foodservice packaging is currently being recovered, collected, processed and marketed. Let's get started!'. At the bottom of the screenshot is a row of five image-based categories: 'Foodservice Operators' (showing a restaurant interior), 'Communities' (showing a residential neighborhood), 'Materials Recovery Facilities' (showing industrial machinery), 'End Markets' (showing a warehouse), and 'Composting & Anaerobic Digestion Facilities' (showing a garden).

