

Resource Conservation Council Meeting

August 18, 2022

Cassidy Campbell
Program Manager

ccampbell@nctcog.org



Welcome and Introductions

Recognition of departing RCC Members:

- Rick Bailey, Johnson County
- Vince Hrabal, Republic Services
- Jeff Mayfield, North Texas Municipal Water District
- Robert Medigovich, Community Waste Disposal
- Rudy Phillips, Dallas County
- Melanie Sattler, University of Texas at Arlington
- Corey Troiani, Texas Campaign for the Environment

Member Roll Call – Please unmute your phone to state your presence.

Guests – Please submit your name and organization into the chat box.

Notification of Conflicts of Interest.

Kathy Fonville, Chair of the Resource Conservation Council (RCC), will request RCC representatives with a potential conflict of interest relating to an agenda item to notify the RCC of the conflict of interest.

Action Items

Meeting Summary. The [May 12, 2022, meeting summary](#) will be presented for approval.

- ▶ Members: Please unmute your phone to vote.

Action Items

Nominating Subcommittee Recommendations

NCTCOG will present the Nominating Subcommittee recommendations for RCC membership and nominations for Chair and Vice Chair.

The RCC will be asked to approve these memberships and nominations.

RCC FY23 Membership Recommendations

Recommended Reappointments:

- Duy Stoffels (City of Grapevine)
- Patricia Redfearn (City of Grand Prairie)
- Howard Redfearn (City of Mansfield)
- Kathy Fonville (City of Mesquite)
- Danielle McClelland (City of Dallas)
- Rick Crownover (on behalf of Hood County)
- David Bull (Ellis County)
- Lora Hinchcliff (Living Earth)
- Risa Weinberger (Risa Weinberger & Associates, Inc.)
- Cecile Carson (on behalf of Keep America Beautiful)



RCC FY23 Membership Recommendations

Recommended New Members:

- Maria Skrut (City of Hudson Oaks, small city)
- Chris Hoofnagle (City of Garland, large city)*
- Julianah Marie (City of Frisco, large city)
- Pam Corder (Kaufman County, medium county)
- Analisa Griffith (Dallas County, large county)
- Maria Moreno (Tarrant County, large county)
- Richard Abramowitz (RMA Consultants, private sector)
- Rachel Hering (Keep Texas Beautiful, environmental/public interest group)
- Dr. Arpita Bhatt (University of Texas at Arlington, educational)
- Mike Friesen (North Texas Municipal Water District, special district)

RCC FY23 Membership Recommendations

Chair and Vice-Chair Candidates:

Chair: Kathy Fonville (City of Mesquite)

Vice-Chair: Howard Redfearn (City of Mansfield)

► **Members: Please unmute your phone to vote.**

Action Items

Conformance Review Recommendation: Permit Amendment Application, SouthWaste Disposal, LLC, Type V Facility, City of Mansfield, Texas

Risa Weinberger, Risa Weinberger and Associates, FY23 Vice Chair of the Facility Conformance Subcommittee, will present the conformance review recommendation for RCC approval.

Action Items

Conformance Review Recommendation: Major Permit Amendment Application for the City of Arlington Landfill, Type I Facility, Tarrant County, Texas.

Risa Weinberger, Risa Weinberger and Associates, FY23 Vice Chair of the Facility Conformance Subcommittee, will present the conformance review recommendation for RCC approval.

Presentation

North Central Texas Regional Solid Waste Management Plan (Regional Plan)

Burns and McDonnell, Inc. will provide a presentation covering the final Regional Plan, focusing on the public facing story map (Volume II of the Regional Plan).

Presentation

Recycling Paper Cups in North Central Texas

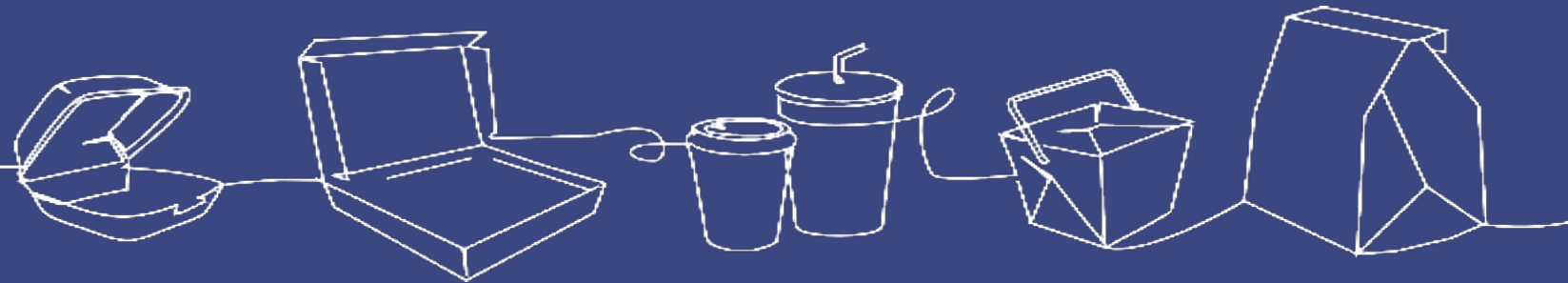
The Foodservice Packaging Institute (FPI) will present information on the education campaign regarding the recycling of paper cups that is anticipated to launch in late 2022.



FOODSERVICE PACKAGING
INSTITUTE®

Foodservice Packaging Recovery

Overview for Community Partners



- 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 85% of the industry)
 - Foodservice distributors and operators

Current PRA/PRG Members



Foodservice Packaging

Single-use foodservice ware and packaging used by foodservice establishments

Specifically, our work focuses on:

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

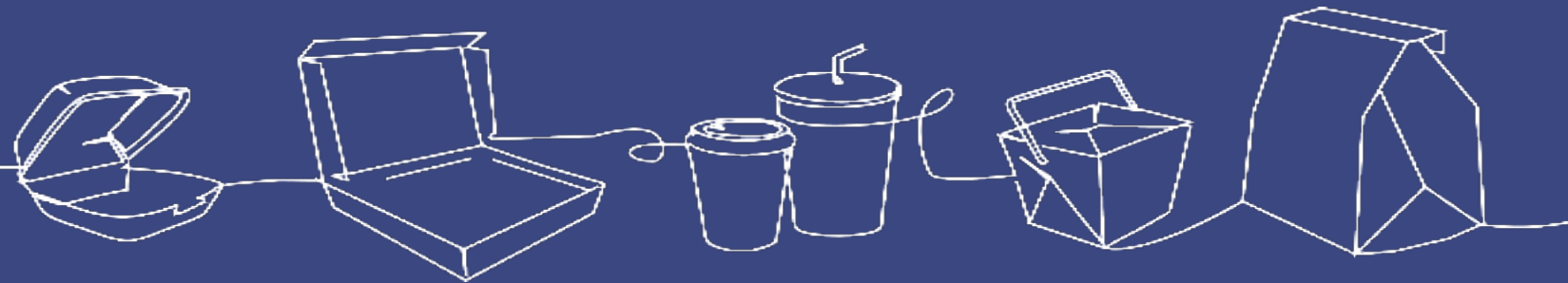


Questions We've Answered

2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
<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? <ul style="list-style-type: none"> • Surveyed mills; 4 accepting paper FSP • 16 markets at end of 2018 • 21 markets at end of 2019 • 30 confirmed markets at end of 2020 • 33 confirmed markets </p>						<p>Joint Declaration by 8 Mill Companies</p>	<p>Paper Cup Recycling white paper released</p>
	<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>								
<p>Where is the material available to be collected? Learned curbside had greatest volume for collection</p>	<p>Is food residue a problem? <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>		<p>How much FSP arises in bales? <ul style="list-style-type: none"> • Analyzed mixed paper bales in Seattle and NYC • Co-sponsored Rigid Plastics Bale Audit </p>	<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? Found compostable FSP provided the same benefit as traditional carbon / bulking materials</p>	<p>Where are North American end markets for Plastic FSP? Surveyed PET, PP, and PS end markets</p>	<p>How can plastic FSP be made more recyclable? Partnered with APR to develop Design Guide for Foodservice Plastics Recyclability</p>	<p>How much FSP arises in bales? <ul style="list-style-type: none"> • Mixed paper bale audit (1 MRF) corroborated 2015 findings • Mixed plastic bale audit corroborated 2015 findings </p>	<p>How much FSP arises in bales? Mixed paper bale audits from partner MRFs (pending)</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>				<p>How can more PET be recycled? Spearheaded PET Thermoforms Collaboration</p>	<p>What are current access rates? Co-sponsored cup access study with NextGen (pending)</p>	
								<p>Best capture opportunities for paper cups? Paper cup flow studies (4 MRFs) corroborated 2015 results on % to container line</p>		<p>Other studies planned / underway</p>	

Overviews of studies available at www.recycleFSP.org.

Community Partnerships



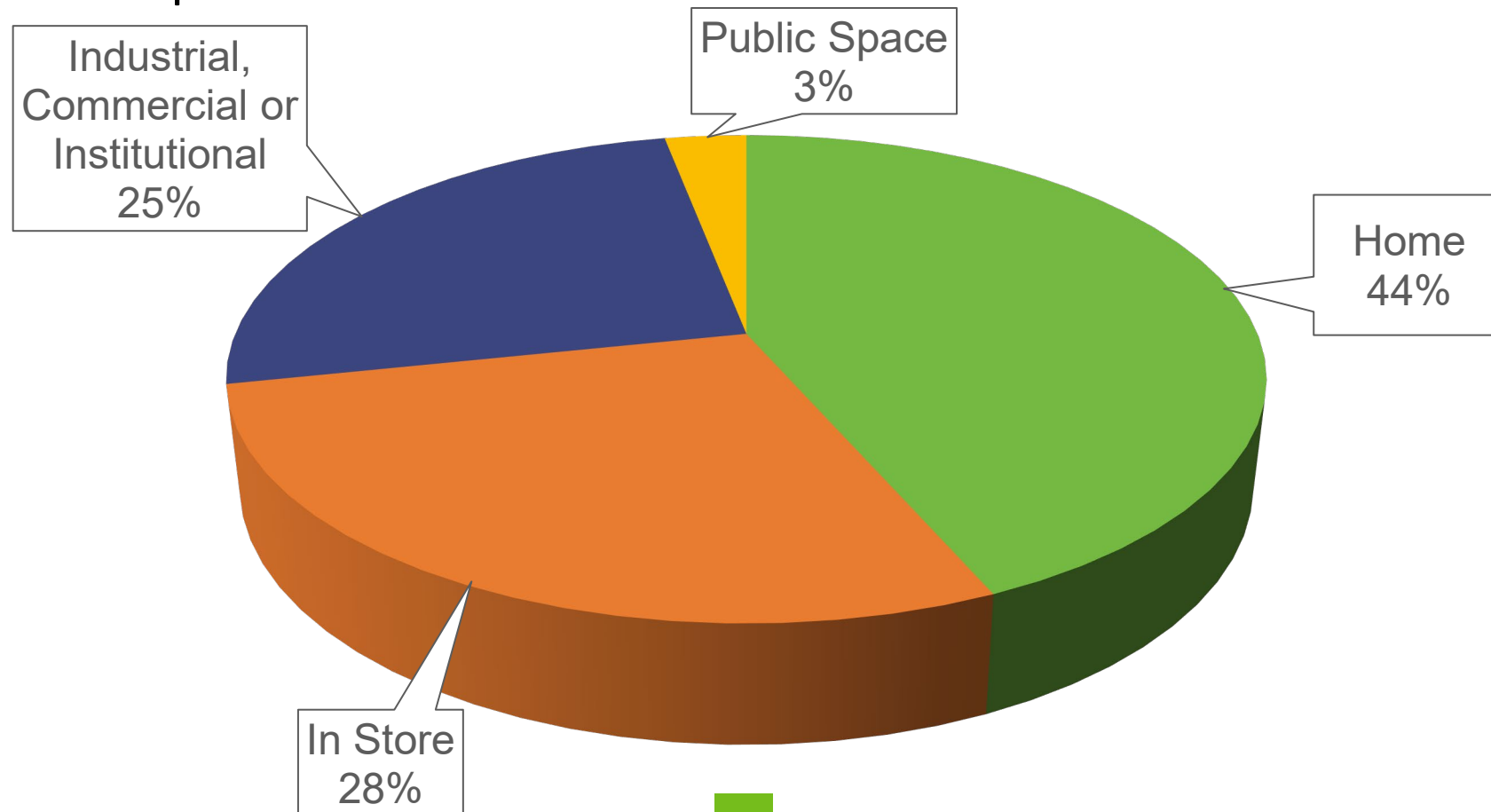
GOALS

FPI's overall goal is to develop and promote economically viable and sustainable recovery solutions for foodservice packaging.

The purpose of FPI's Community Partnership program is to add a suite of foodservice packaging to **curbside recycling programs.**

Why Focus on Curbside Collection?

Most foodservice packaging is discarded at home or in the workplace



What FPI Can Provide



- Information, research data
- Technical assistance, e.g. on operational questions, as needed
- Support in end market dialogues, as needed
- Communications planning
- Assistance in developing educational materials for residents (flyers, templates, graphics, etc.)

- Points of contact for operations, communications
- “In-kind” assistance, such as:
 - Piggybacking on planned education and outreach activities
 - Sharing contacts and connections who can help the roll-out
 - Assistance with some data collection (e.g. residue audits) and reporting
- Willingness to be cited as reference, case study, etc.

Sample Educational Flyer



RECYCLE MORE!

RecycleAnyTown.com

PAPER

- Flattened Cardboard (clean & empty)
- Paper Containers & Cups (clean & empty)
- Milk, Juice & Soup Cartons (clean & empty)
- Newspapers/Inserts, Phone Books, Magazines, Junk Mail & Office Paper

NO TISSUE

PLASTIC

- Plastic Bottles, Cups & Containers (clean & empty)

NO PLASTIC BAGS

GLASS

- Glass Bottles & Jars (clean & empty; amber, green & clear)

NO WINDOWS OR CERAMICS

METAL

- Steel & Aluminum Bottles/Cans (clean & empty)

NO PAINT CANS

HOW TO PREPARE YOUR RECYCLABLES:

-  Recyclables should be clean and empty.
-  Do not use plastic bags; leave recyclables loose.
-  Include only listed items. Check with your local government or recycling service provider if unsure.

TIP: Return grocery bags to participating stores for recycling.

Atlanta Campaign Launch

RECYCLE THANK YOU FOR RECYCLING THESE:

Glass



Bottles and Jars
empty and dry

Metal



Aluminum and Steel Cans
empty and dry

Paper



Cartons, Mixed Paper, Cardboard, Newspaper, and Magazines
flatten cardboard

Plastic



Bottles and Containers
empty and replace cap

NO!



Do Not Bag Recyclables
no garbage



No Plastic Bags
return to retail



No Textiles or Clothing



No Tangles, Cords, Hoses or Chains

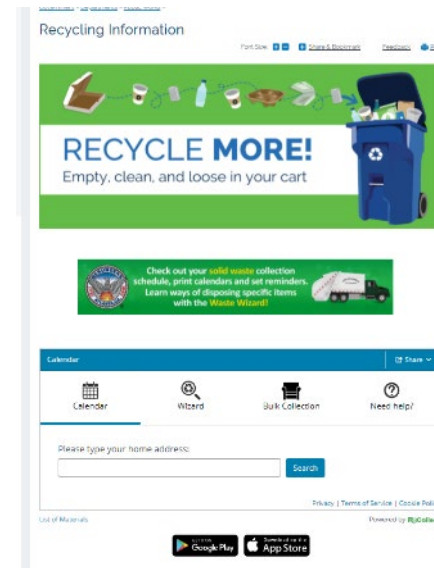


No Food or Liquid
empty all containers

www.atlantaga.gov/recycling
Need a cart? You may be eligible for a replacement at no extra charge.



Funded in part by



Detroit, MI: GFL & RRRASOC



 **Recycling Authority**
November 4, 2021 · 🌐

With the inclusion of paper beverage cups in our acceptable materials, you can now quench your thirst the smart way! Be sure to recycle the clean, empty cup from your afternoon pick-me-up beverage (no lids, straws or stirrers, please). To find out more, visit rrrasoc.org.

RECYCLE CLEAN & EMPTY PAPER CUPS



**RECYCLE
CLEAN &
EMPTY
PAPER
CUPS**

Denver Campaign Launch



NEWS > ENVIRONMENT

Denver can now recycle paper coffee cups

The city aims to improve its below-average recycling rate

By SAM TABACHNIK | stabachnik@denverpost.com | The Denver Post
PUBLISHED: November 30, 2018 at 4:24 pm | UPDATED: November 30, 2018 at 5:10 pm



Partnership Allows Two Million Residents to Recycle Paper Cups

Denver Joins Chattanooga, Tenn.; Washington, D.C.; and Louisville, Ky as FPI community partner.

Waste360 Staff | Dec 05, 2018

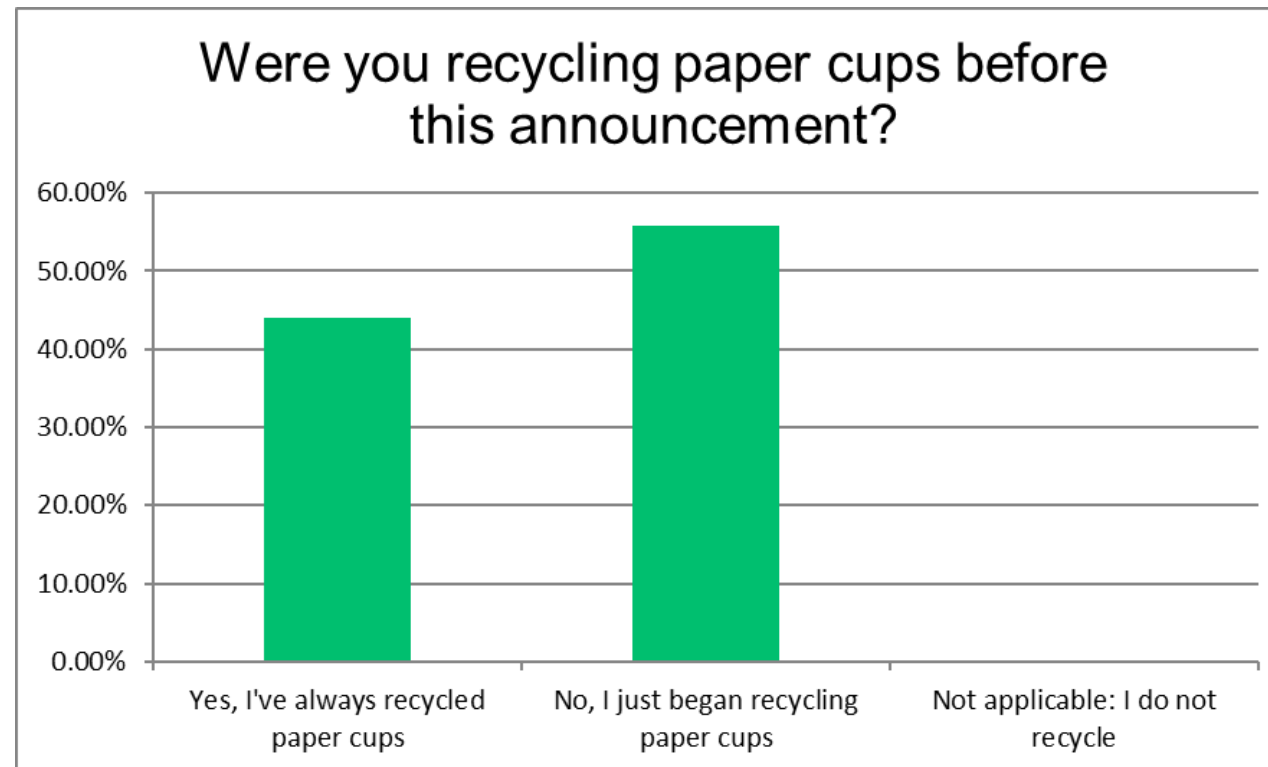


Massive stacks of recycled trash inside Alpine Waste and Recycling towered behind Denver City Councilwoman Kendra Black as she posed a question nearly every coffee drinker has asked: What are we supposed to do with those paper cups?

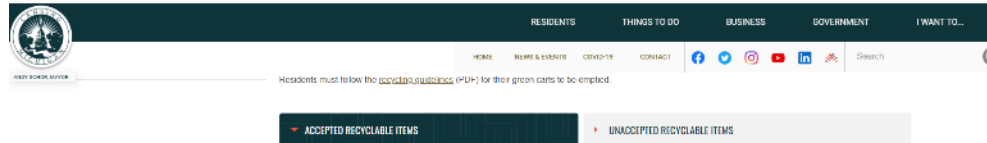


Denver Survey Results (preliminary)

- Based on 543 respondents as of 4/10
- 99% of respondents live in the City of Denver



Lansing & East Lansing



ACCEPTED RECYCLABLE ITEMS UNACCEPTED RECYCLABLE ITEMS



Paper

Junk Mail, Office Paper, Newspaper/Magazines, Paper Bags, Cereal or Food Boxes, Paper Cups, Flattened Cardboard

- No paper plates, wrapping paper (unless it is purely paper without decorations), or tissues
- Shredded paper must be bagged in a paper bag with the word "SHRED" written on it

RECYCLING GUIDE

ONLY RECYCLE ITEMS SHOWN HERE:
Please empty and rinse containers and place loose materials in cart. No bagged recyclables!

GLASS

Bottles & Jars
All Colors
No mirrors, ceramics or lightbulbs

CARTONS

Food & Beverage Cartons
No frozen food containers

METAL

Aluminum Cans, Foil & Steel Cans
Clean and empty

BOTTLES & CONTAINERS

Food, Beverage and Soap Bottles, Containers & Cups
No Styrofoam™ or yogurt lids

PAPER

Junk Mail, Office Paper, Newspaper, Paper Bags, Empty Cereal or Food Boxes, Paper Cups, Magazines & Flattened Cardboard
No paper plates, paper towels or tissues. Shredded paper must be placed in a paper bag with the word "SHRED" written on it

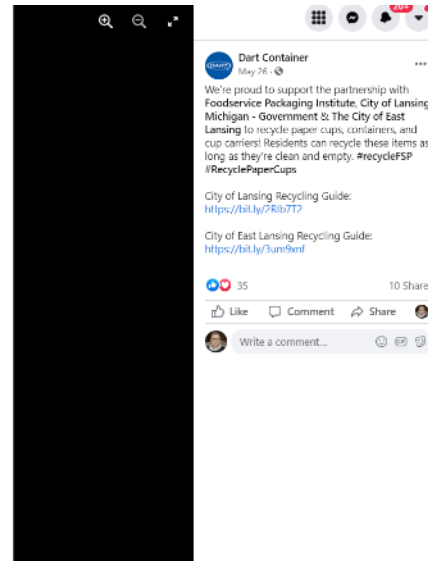
HOW TO PREPARE YOUR RECYCLABLES

- Recyclables should be clean, dry and empty
- Do not use plastic bags; leave recyclables loose
- Recycling should be at the curb by 7:00 a.m. on collection day


ITEMS NOT ACCEPTED:

- Plastic Bags (return to retailer)
- Food Waste
- Hoses, Wires, Cords and Other String Materials
- Foam Polystyrene Styrofoam™
- Yard Waste
- Plastic Buckets, Children's Toys or Other Bulky Light Plastics

**Including incorrect items may result in cart removal!*



Paper cups now recyclable in Athens
Martina Essert | Contributor
Jan 21, 2021



Paper cups are now recyclable in Athens, Georgia. (Photo/Sherry Liang)

Athens residents have previously been asked not to include paper cups with their other recycling, but that is no longer the case.

"There's a little layer of plastic in a paper cup. What changed is the willingness of the paper mills and the industry at large to accept that material in the paper mill. They want the paper badly enough that they're willing to put up with a little bit of plastic." Joe Dunlop.

ACC Recycling celebrates becoming the first county to accept paper cups

7 PHOTOS

10:10 a.m. EST Jan. 22, 2021





Millennium Recycling Launch (Sioux Falls, SD)



RECYCLING GUIDE
LOOSE (NOT BAGGED):
Recycle in Single Stream Bin

GLASS
Bottles and jars only.

PLASTIC CONTAINERS
Bottles, tubs and jugs only.

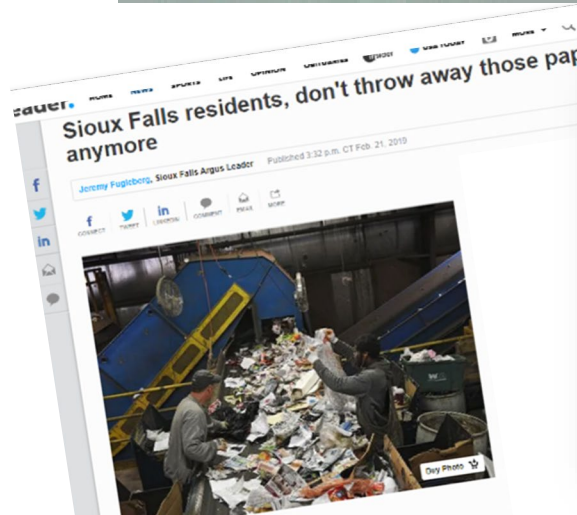
CANS
Steel, tin & aluminum.

PAPER
No metal or plastic bindings.
No more than two (2) soft copies or plastic boxes per pack up per resident.
Household waste is large quantities accepted at participating Millennium office.

CARDBOARD & CARTONS
Please flatten boxes.

ALL MUST BE EMPTY OF LIQUID AND FOOD WASTE

Millennium MRF adds paper cups and takeout containers



recycling today News Industry Tools Media Magazine Events Subscrip



White sleeves are welcome in Millennium's paper cup recycling program, plastic lids are not.
stock.adobe.com

South Dakota MRF adds paper cups

Millennium Recycling of Sioux Falls, South Dakota, partners with the Foodservice Packaging Institute.
February 21, 2019
By DeAnne Toto

Municipal / IC&I Paper

A partnership with the Foodservice Packaging Institute (FPI), Falls Church, Virginia, has allowed material recovery facility (MRF) operator Millennium Recycling Inc., Sioux Falls, South Dakota, to add paper cups to its list of acceptable recyclables.

"We are committed to giving our customers in Sioux Falls, Yankton, Huron, southwest Minnesota and beyond the opportunity to provide a new life for recycled cups—not just send them to the landfill," says Shannon Dwire, president of Millennium Recycling.

Roughly 600,000 tons of paper beverage cups are used each year in the United States, Millennium says, with the majority of this material ending up in landfills ad they were once thought to be unrecyclable

Sample Communications Materials



Bye-bye trash can. **HELLO RECYCLING!**

RecycleAnytown.org

This graphic features a blue recycling bin on the left. To its right, various foodservice packaging items are arranged in a line: a white plastic cup, a white styrofoam container, a brown egg carton, another white plastic cup, a brown paper bag, and a brown cardboard box. Dotted lines connect these items to the bin, suggesting they are being recycled.



Bye-bye trash can.
HELLO RECYCLING!

RecycleAnytown.org

This graphic shows a blue recycling bin with its lid open. Inside the bin, several foodservice packaging items are visible: a white plastic cup, a brown paper bag, and a white styrofoam container. Above the bin, other items like a brown cardboard box, a brown egg carton, and a white styrofoam container are shown with arrows pointing towards the bin, indicating they should be recycled.



Don't trash
your takeout...
RECYCLE IT!

RecycleAnytown.org

This graphic shows a blue recycling bin with its lid open. Inside the bin, several foodservice packaging items are visible: a white plastic cup, a brown paper bag, and a white styrofoam container. Above the bin, other items like a brown cardboard box, a brown egg carton, and a white styrofoam container are shown with arrows pointing towards the bin, indicating they should be recycled.

Reporting from Current CPs: *Refresh Campaigns*

RECYCLE YOUR CLEAN & EMPTY
TO-GO CUPS & CONTAINERS!



   [Find out more!](#)

RECYCLE YOUR CLEAN & EMPTY
TO-GO CUPS & CONTAINERS!



   [Find out more!](#)



Can I
recycle
this in
my cart
or bin?

 [FIND OUT!](#)

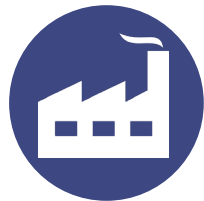


CAN I
RECYCLE
THIS IN
MY
CART?

[FIND OUT!](#)

   GOVERNMENT OF THE
DISTRICT OF COLUMBIA
MURIEL BOWSER, MAYOR

Community Partnerships Success



MRF Audits



Engagement

Chattanooga, TN

- Contamination decreased from 14% to 8%
- Increase in proportion of fiber collected from 62% to 73%

- 116% increase, to recycling webpage post-launch
- 46% increase in cart or bin requests

Louisville, KY

- Contamination decreased from 17% to 5-8%
- Fiber (cardboard, mixed paper, newspaper) increased from 61% to 65%

- Increased web traffic by 45%
- Increased cart requests by 33%
- Social media engagements increased by 234%

Washington, DC

- Contamination decreased from 33.2% to 25.8%.
- Mixed paper increased from 9.4% to 19.9%.

- 140k more views of “How to Prepare Recyclables Video” than expected.
- 8.7 to 10 million impressions using Bus/Rail Ads

North Texas COG Proposed Plan



- Due to the varying waste management practices and messaging across communities, FPI's support will focus only on promoting the recovery of paper cups.

FPI will:


- Provide paper cup graphics for existing recycling guides
- Provide website graphics and messaging
- Create NCTCOG launch video
- Provide graphics and social media posts focused solely on paper cups (using "Know what to throw" colors/style)
- Collect before/after data snapshots from each community member
- Release joint press release with NCTCOG
- Develop talking points for city staff members
- TBD – one launch event vs individual community launch events

Questions?

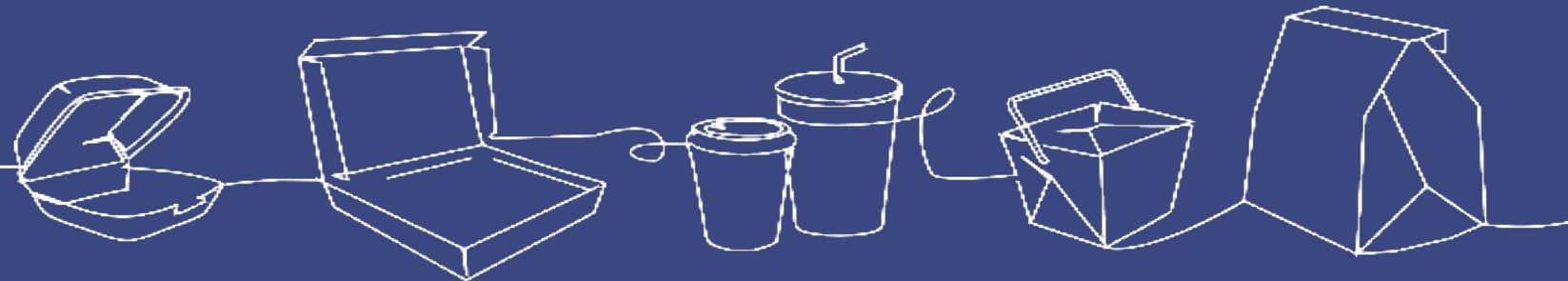
Visit RecycleFSP.org for more info:

Contact:
Maggie Orozco
morozco@recycle.com

Matt Todd
mtodd@recycle.com



The screenshot shows the FPI website's 'Foodservice Packaging Recovery Toolkit' page. 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 FADs. The main heading is 'Foodservice Packaging Recovery Toolkit'. Below the heading, there is a paragraph explaining that recovering FSP can have substantial benefits in cost-saving waste reduction, revenue generation, and environmental impact. Another paragraph states that the toolkit presents lessons learned from successful recovery. At the bottom, there are five image-based categories: Foodservice Operators, Communities, Materials Recovery Facilities, End Markets, and Composting & Anaerobic Digestion Facilities.



Discussion

Materials Management Spotlight:

Food Depackaging Equipment and Process



8/17/2022





Discussion

NCTCOG Updates:

- EPA Anaerobic Digestion Feasibility Study
- RCC Organic Waste Gap Analysis Project
- FY22/23 Solid Waste Implementation Grant Update
- Regional Tire Collection Events
- Regional Solid Waste Management Plan Update
- Illegal Dumping Training
- Recycle Roundtable & Know What to Throw Updates
- Western Region Solid Waste Capacity – Policy Advisory Group

Other Business

Future agenda items

Roundtable topics

Next Meeting Date:

Tuesday, November 8, 2022, at 1:30 p.m.

The meeting location will be virtual.

Adjournment

Resources

- ▶ Materials Management website: <https://www.nctcog.org/envir/materials-management>
- ▶ Regional Solid Waste Management Plan: <https://www.nctcog.org/envir/materials-management/materials-management-plan>
- ▶ Solid Waste Grants: <https://www.nctcog.org/envir/materials-management/grants>
- ▶ Regional Electronics Recycling Contract: <https://www.nctcog.org/envir/materials-management/regional-electronics-recycling-contract>
- ▶ Closed Landfill Inventory: <https://www.nctcog.org/envir/materials-management/closed-landfill-inventory>

Resources

- Illegal Dumping: <https://www.nctcog.org/envir/materials-management/illegal-dumping>
- Western Region Waste Capacity Study: <https://www.nctcog.org/envir/materials-management/western-region-solid-waste-capacity-study>
- Regional Recycling Project (Know What To Throw): <https://www.nctcog.org/envir/materials-management/regional-recycling-survey-and-campaign>
- Time To Recycle: <http://www.timetorecycle.com/>
- Senate Bill 1376 Toolkit: <https://www.nctcog.org/envir/materials-management/sb-1376-resources>
- Regional Tire Task Force: <https://www.nctcog.org/envir/committees/resource-conservation-council/regional-tire-task-force>



Contact

Cassidy Campbell

Program Manager

ccampbell@nctcog.org

(817) 608-2368

Hannah Allen

Environment and Development Planner III

hallen@nctcog.org

(817) 695-9215

Elena Berg

Environment and Development Planner III

eberg@nctcog.org

(817) 608-2363

Crysta Guzman

Environment and Development Planner II

cguzman@nctcog.org

(817) 695-9107

Breanne Johnson

Environment and Development Planner II

bjohnson@nctcog.org

(817) 695-9148

Connect



Facebook.com/nctcogenv



@nctcogenv



nctcogenv



youtube.com/user/nctcoged



EandD@nctcog.org



nctcog.org/envir

