



United States Business Council
for Sustainable Development



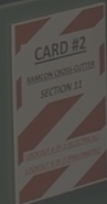
Materials
Marketplace



materials marketplace

Great Lakes Circular Materials Roundtable: Textiles

September 1, 2020

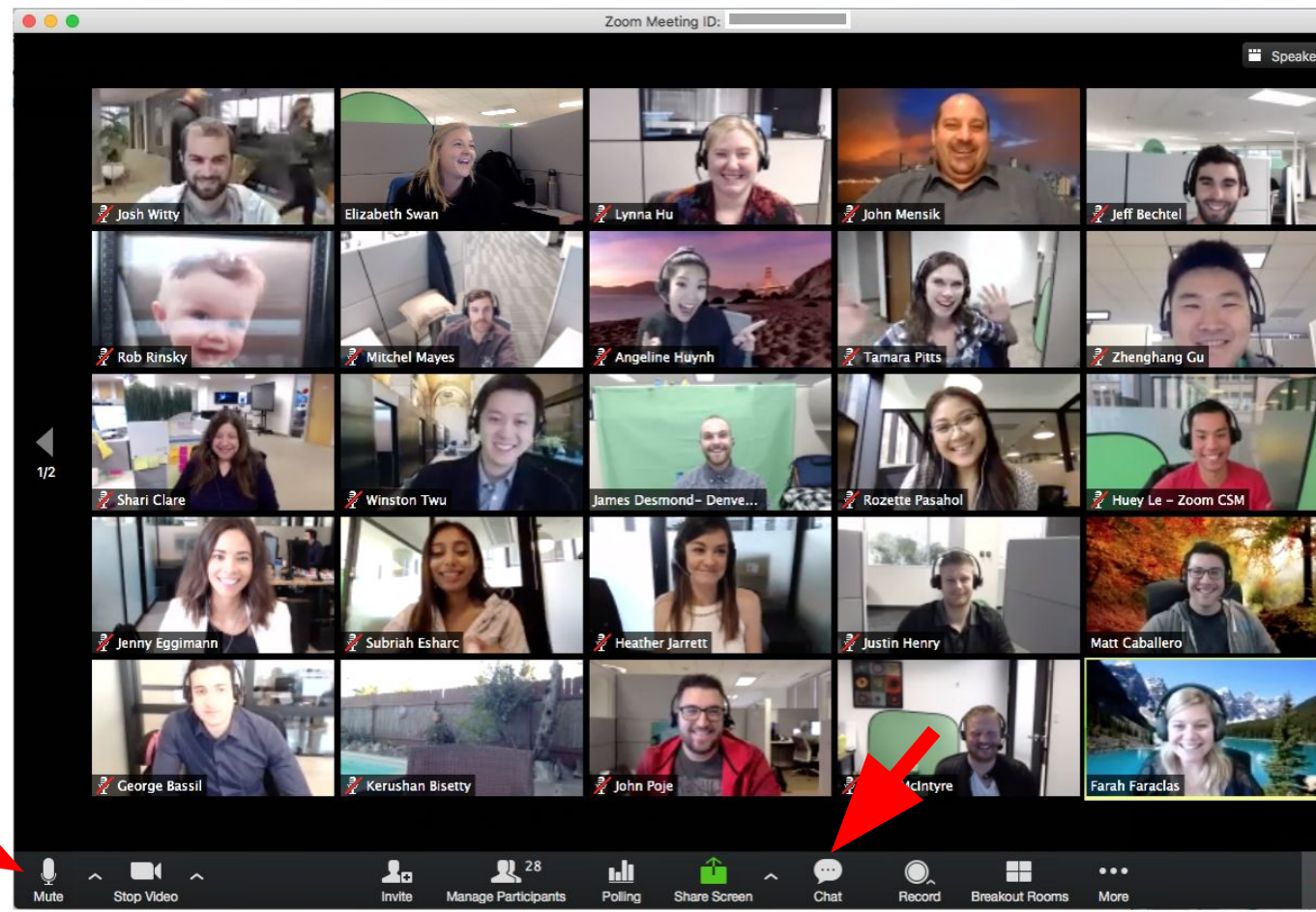


Zoom Etiquette

Direct all questions to Kara Wright (US BCSD) in a **private chat**. She will work with you to resolve technical issues and collect content-related questions for the Q&A session following presentations.

Sending a private chat message? Double check it's going to your intended recipient.

Kindly **mute** your audio when not speaking and call other attendees by name when you're ready to pass the speaking baton to another participant.





Working Together to Drive Circular Economy in the Great Lakes Region



United States Business Council
for Sustainable Development



MICHIGAN DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY



COUNCIL OF THE GREAT LAKES REGION

BUILDING OUR FUTURE TODAY

Discover. Connect. Influence.



Materials
Marketplace



Roundtable Agenda

10:30 to 11:10am - Welcome & Presentations

Event organizers and program sponsors will welcome guests. Speakers from the Materials Marketplace network will provide a brief overview of the textiles challenge and outline some promising applications and use cases. Use the Zoom chat box to ask questions for a brief Q&A session following the presentations.

Speakers include: Janay Brower, Founder/President at Public Thread; Nick Carlson, Vice President of Donated Goods Operations at Goodwill Industries of Greater Grand Rapids; Marisa Adler, Senior Consultant at Resource Recycling Systems; Kari Bliss, Customer Experience & Sustainability at PADNOS; and Madeline Miller, CEO & Founder at NexTiles.

11:10am to 12:10pm - Breakout Sessions

Building on the morning presentations, attendees will be divided into breakout groups for facilitated discussion. Groups will brainstorm solutions and recommend professional connections.

12:10pm to 12:30pm - Next Steps

Outcomes from the breakout session discussions will be captured as actionable next steps for textiles recycling, repurposing, or reprocessing and will be distributed to attendees.

Objective

Connect businesses and organizations in the Great Lakes to brainstorm solutions, recommend professional connections and commit to actionable next steps for recycling, repurposing, or reprocessing textiles.

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Resources

- Materials Marketplace login:
go.materialsmarketplace.org
- Ohio Materials Marketplace:
ohio.materialsmarketplace.org
- Michigan Materials Marketplace:
michigan.materialsmarketplace.org
- Ontario Materials Marketplace:
ontario.materialsmarketplace.org



Who's in the Room?



Tell us more! In the Zoom chat, tell us your name, location, organization, and a brief statement about why you are attending this Virtual Roundtable - including where your company or organization fits into the above categories.

Speaker:

Resource Recycling Systems (RRS)



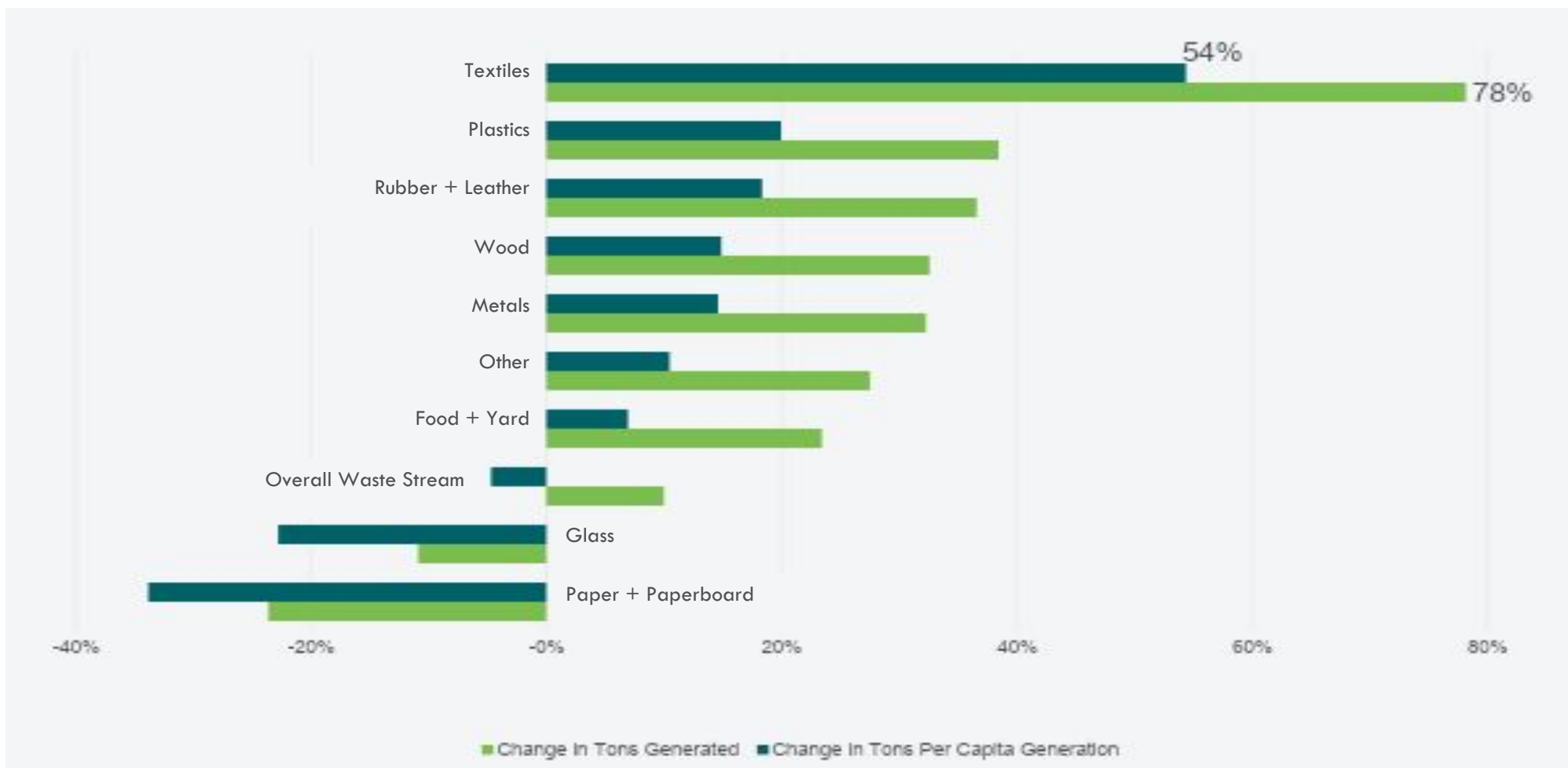
TEXTILE RECOVERY IN THE US A ROADMAP TO CIRCULARITY

US BCSD Great Lakes Circular Economy Roundtable

Tuesday, September 1, 2020

TEXTILE WASTE IS GROWING FASTER THAN ANY OTHER MATERIAL IN THE US WASTE STREAM

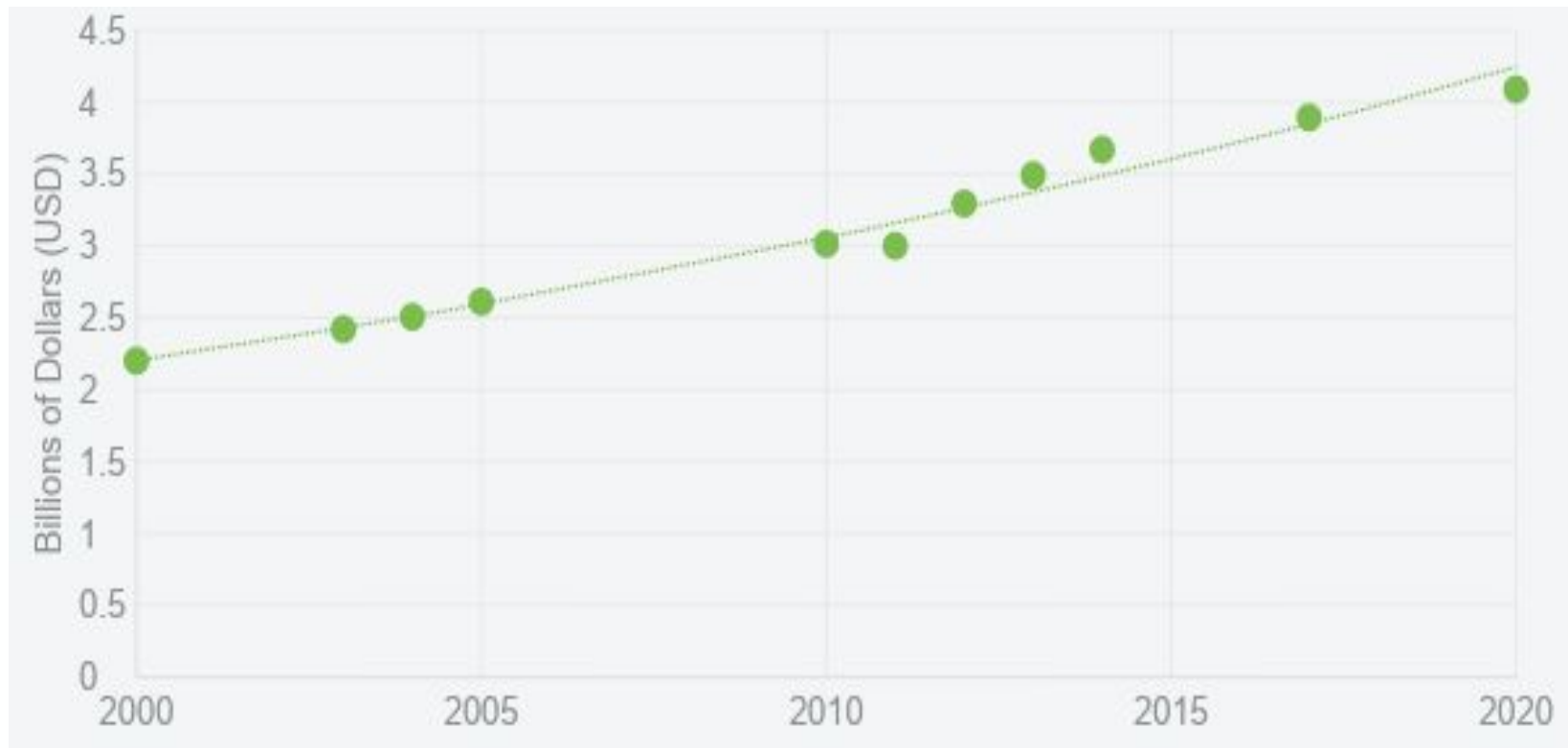
PERCENT CHANGE IN ABSOLUTE TONS AND TONS PER CAPITA WASTE GENERATION 2000-2017



RRS analysis based on US EPA data

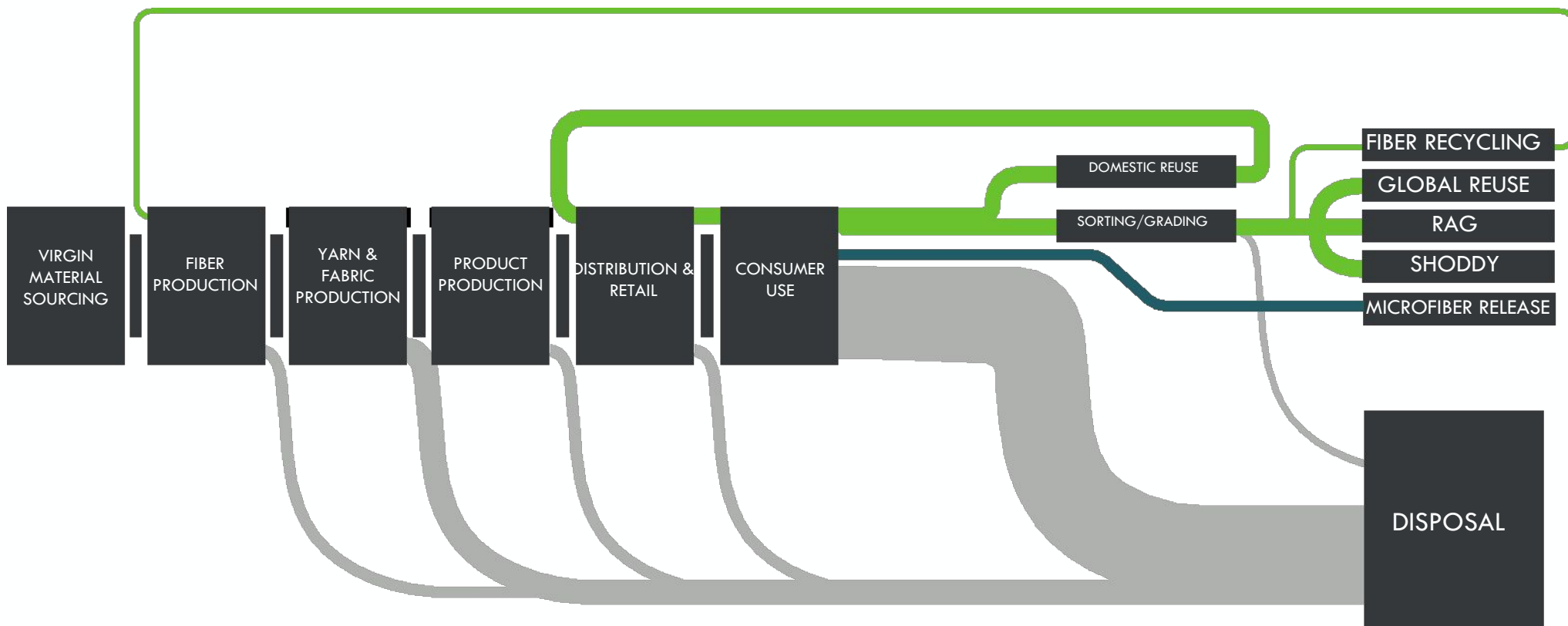
DISPOSAL IS EXPENSIVE

ANNUAL COST TO COLLECT TEXTILES FOR DISPOSAL IN THE U.S., 2000-2020



RRS analysis

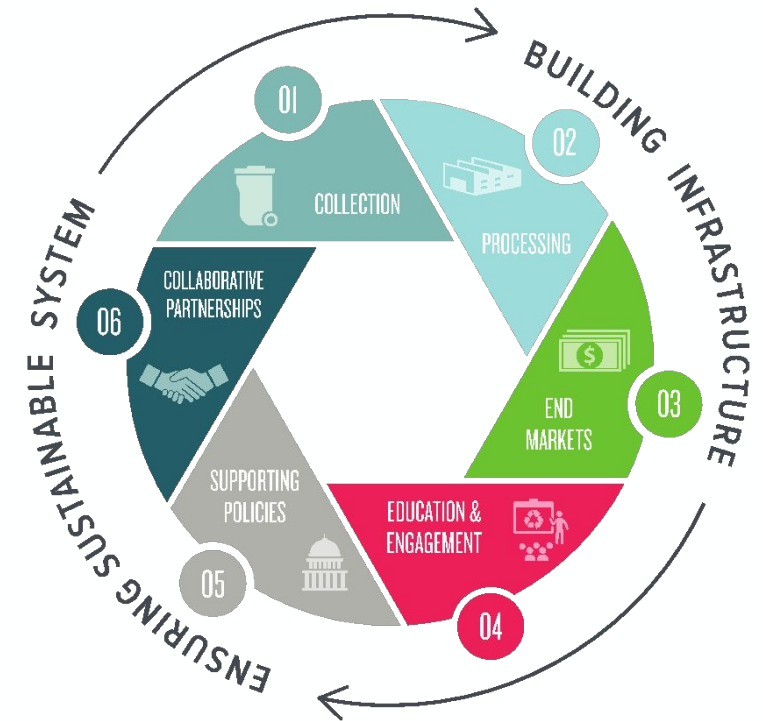
ONLY 15% OF TEXTILE WASTE IS RECOVERED TODAY



2017 = 16.9 Million Tons
of Textile Waste

SIX ELEMENTS OF A SOUND RECOVERY VALUE CHAIN

- 01 Widespread convenient collection systems;
- 02 Regional textile sorting facilities (textile MRFs) that generate readily accessible material volume and composition data, paired with mechanical and advanced recycling technologies to convert inputs into global commodities;
- 03 Robust end markets and brand uptake agreements that support a domestic recycler economy;
- 04 Compelling outreach that drives engagement with consumers, brands, and communities;
- 05 Thoughtful supportive policies that create a level playing field and incentivize textile recovery and infrastructure development; and
- 06 Innovative strategic partnerships that increase the circularity of pre-consumer and post-consumer textiles and decrease textile waste going to landfill.



THE TEXTILE MRF



THANK YOU

MARISA ADLER
Senior Consultant

madler@recycle.com





Speaker:

**Goodwill Industries of
Greater Grand Rapids**



Nationally (2019)

- An Estimated 1 Billion lbs of Textiles Moved in Secondary Markets
- \$270 Million in Salvage Sales
- 5.6% of Total Donated Goods Sales
- Over 25 Million People Served
- Over 230,000 Placed in Employment (1%)

Grand Rapids (2019)

- 6.71 Million lbs of Textiles Moved in Secondary Markets
- Nearly \$1.5 Million in Salvage Sales (\$935 Million in Textiles)
- 5.3% of Total Donated Goods Sales
- Over 1,700 People Served
- Approximately 360 Placed in Employment (21%)



Speaker:

PADNOS

Kari Bliss

Customer Experience & Sustainability

Education

BS Psychology & Business, Magna Cum Laude, Aquinas College

PADNOS

Senior Leader 10 Years

2020 Community Involvement - Groups

West Michigan Sustainable Business Forum – Board Member

Kent County Sustainable Business Park Stakeholder Review Committee

City of Grand Rapids Sustainability Advisory Committee

Grand Rapids Chamber of Commerce – Environmental Affairs Committee

Michigan Chamber of Commerce - Energy & Environment Policy Committee

Society of Plastic Engineers – Sustainability Division Treasurer

Zero Waste Group - Member

Michigan Recycling Coalition - Speaker

Re/Focus Sustainability & Recycling Summit - Awards Judge

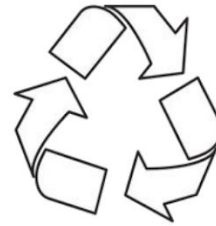


1905

PADNOS was founded in 1905, by Louis Padnos in Holland, MI.

4

Fourth-generation family owned and operated.



Paper
Plastics
Metal
Electronics



There are **25** PADNOS locations

Continue to find ways to innovate, lead and make a **positive impact** in this world.



Industrial Fabric



PADNOS accepts and can pay for clean, dense bales of fabric.

- Loose gaylords of fabric
- Dense **BALED** fabric
- Bales should weigh 700+ LBS



Commodity Code:

RFAB001BA

Attachments to fabrics may deem them rejected or a no value commodity.

- No Neoprene or Rubber
- All Hard Plastics Must Be Removed
- Must Shred Easily



Speaker:

Public Thread

PUBLIC
Thread





Our Model



- Public Thread is a textile upcycling company.
- Located in Grand Rapids, MI
- We source post-industrial textile scrap and surplus textiles and upcycle the material into products that are sold via:
 - B2B: promotional products in batch
 - B2C: unique, small batch, upcycled retail products
- We are a women-owned, social & environmental for-profit business.



Textiles

- **Current:** Curating the textiles we source to highest quality materials that can be transformed into retail ready products
- **Materials:** Leather, vinyl, 3D knit, wool, upholstery, billboards/signs, straps/webbing, cotton, polyester, nylon, etc.
- **Future:** We are building our infrastructure with the goal of diverting textile waste at scale for our community within 10 years.



Trends

- Annually **0.2%** of textiles are recycled or upcycled in MI.
- Est. value of discarded textiles = \$460 billion
- Re-localize supply chains:
U.S. cut & sew manufacturing up 2% per year
- Racial Equity is needed in these industries
- Environmental justice + equitable living wage employment + localized supply chains = FUTURE





PUBLIC
Thread

Thank you!

Janay Brower
Founder, CEO

616/745-1222

janay@publicthread.co

www.publicthread.co

1405 Buchanan Ave SW
Grand Rapids, MI 49507

Speaker:

NexTiles



NEXTILES



Madeline Miller

Founder & Chief Executive Officer

Detroit Native & Environmental
Scientist



NexTiles

NexTiles diverts textile waste from landfills and incinerators

- Collects pre-consumer fashion, automotive, and furniture waste
- Converts to eco-friendly, blown-in building insulation
- Redistributes to designers and creatives via marketplace





Breakout Sessions

You'll now receive a notification to move into a breakout room, where you'll have the opportunity to share your challenges, brainstorm solutions and recommend professional connections. Capture notes and next steps as follows:

	General Notes	Insights to Take Back	People & Companies to Connect With	Action Items on the Materials Marketplace
Shared Challenges				
Solution Provider(s)				
Other Enablers				



Thanks for participating!

Thanks for joining us in today's discussion. We'll send out a brief recap via email in the next week or two, but in the meantime, here are some things you can do to continue the momentum:

Set up an account on the Materials Marketplace

If you don't already have an account, getting started on the Materials Marketplace only takes a few minutes. Visit one of the program websites and click "**get involved.**" Our tool will ask a few questions, and then someone from our team will send you an invitation to join.

Create listings for available or wanted materials

Once your account is set up, you can create **wanted** or **available** listings of all kinds on the Materials Marketplace from your mobile device or computer. Listings are the best way to create visibility for your challenge or solution - include a couple of good photos to make them stand out!

Connect with other users on the Materials Marketplace

Search within your geography and materials parameters, and send a message through the platform if you see something of interest. The other party will receive a notification in their inbox, and our teams will be monitoring the conversation in case something stalls out.

Important Links

- Materials Marketplace login:
go.materialsmarketplace.org
- Ohio Materials Marketplace:
ohio.materialsmarketplace.org
- Michigan Materials Marketplace:
michigan.materialsmarketplace.org
- Ontario Materials Marketplace:
ontario.materialsmarketplace.org

Contact Us

- **Email:** info@materialsmarketplace.org
- **Phone:** 512.981.5417
- **Twitter:** @usbcsd