

RESOURCES for RECYCLING RESILIENCY



RESOURCES for
RECYCLING
RESILIENCY



MARISSA SEGUNDO
RRS

msegundo@recycle.com



HOUSEKEEPING ITEMS

Please mute yourself.

Send questions:

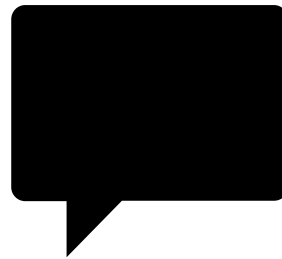
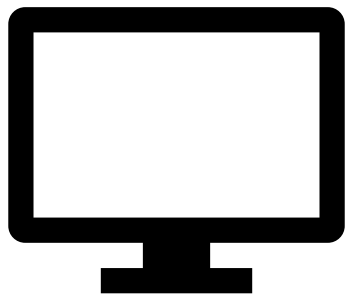


Chat

To: Questions ▾ (Privately)

Type message here...

A recording of this session
will be available next week



AGENDA

RESOURCES for
RECYCLING
RESILIENCY

10:00 WELCOME

Kerrin O'Brien, MRC

10:05 SESSION INTRODUCTION

Marissa Segundo, RRS

10:10 RECYCLING RESILIENCY

Matt Flechter, EGLE

10:20 SAFETY DURING COVID-19

Anthony Smykla, MIOSHA

Wendy Fought, Emmet County

10:45 BUSINESS RESOURCES

JD Lindeberg, RRS

10:55 RECYCLING MARKETS

Lars Dannberg, UP Paper

John Parris II, Great Lakes Tissue

Eadaoin Quinn, EFS-Plastics

Scott DeFife, GPI

11:20 QUESTION & ANSWER

Marissa Segundo, RRS

POLL PARTICIPATION

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TEXT

Text the message
“**recycle123**” to the
phone number “**37607**”

WEBSITE

Type URL in browser:
pollev.com/recycle123



What is the greatest need you have for your organization at this time?

“Communication”

“Happy Hour”

“Safety”

“Voice conversation”

“Communication”

“Money”

“PPE”

“Strategy”

“Communication”

“Strategy”

“Solid Information”

“WM is doing great”

“Communication”

“Work focus moving forward”

“Partnership”

“Transparency, partnership, engagement, community”

“Collaboration”

“compassion”

“Staff”

“Skilled staffing”

“Innovation”

“Resilience”

“PPE”

“Guidelines”

“Leadership”

“Leadership”

“Collaboration”

“Staff”

“Leadership”

“Collaboration”

“Stammered”

“Crystal ball”

“Guidelines”

“Patients”

“Solid guidelines for new direction”

“Leadership”

“communication”

“Connection”

“Clear communication”

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MATT FLECHTER
EGLE

flechterm@Michigan.gov

EGLE

RRS

mrc

RECYCLING IS ESSENTIAL

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Recycling is part of the essential waste and materials management system that is designed to protect the health, safety, and welfare of Michigan residents.





SUSTAINABILITY

Energy

Pollution Prevention

Recycling

Laws & Initiatives

Grants

Business

Education Resources

Community, Home, School

EGLE / SUSTAINABILITY / RECYCLING

RECYCLING



Community, Home, School

Business

Grants

Laws & Initiatives

Education Resources

About

Education is an essential ingredient for a sustainable and thriving recycling system. We hope to provide meaningful information and resources to support education efforts across Michigan. Together, we can make more informed decisions about how to manage our discards, preserving our landfill space, improving our economy, and preserving natural resources.

Handouts and Guidance

- [Pollution Prevention Resources](#)
- [Recycling 101](#)
- [You Can Make a Difference](#)
- [Why Recycling Matters for Your Community](#)
- [Recycling Buzz Topic: Why does recycling cost money?](#)
- [Home Composting](#)
- [How Do I Handle This Waste?](#)

Features & Events

- [EGLE wants to know: Why do you recycle?](#)
- [Recycling Plastic Bottles in Flint](#)

Recycling Information

- [Promote your Recycling or Hazardous Waste Collection](#)
- [Michigan Recycling Directory](#)
- [Contact Your Recycling Specialist](#)
- [Sign Up for Email Recycling Updates!](#)
- [Sponsorship Program](#)
- [Michigan Market Development Final Report](#)

RECYCLING SUPPLY CHAIN IS CRITICAL

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- Recycling = Toilet Paper
 - And boxes, and medical supplies
- Recycling collection and processing is critical for the continued supply of materials for Michigan's recovery.



RECYCLING IS CRITICAL FOR ECONOMIC RECOVERY

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IF MICHIGAN'S RECYCLING RATE TRIPLED, THE RECYCLING, REUSE, AND RECOVERY INDUSTRY WOULD ADD...



47.8K
Jobs in MI



\$3.3B
Total annual
labor income



\$11.6B
Economic Output

BUDGET CHALLENGES

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- Projected budget shortfall
- Executive Directive 2020-3
- Pause on contracts and future expenditures



WORK CONTINUES

- 2020 Recycling Infrastructure and Market Development Grants (focus on Covid-19 Recovery)
- Partnerships
- Data
- Recycling business incubation
- Education to improve quantity and quality of Recycling





MAKING PROGRESS

- Michigan Materials Marketplace
- 2019 infrastructure and market development grants
- Markets
- Education
- Infrastructure
- Measurement
- Part 115 amendments





TELL STORIES THAT MATTER

- Recycling programs are important to the physical and economic health of the residents and businesses you serve.
- This critical Infrastructure is important to the safety of your residents, customers and employees.
- The recycled materials supply chain is important to manufacturers that make boxes, toilet paper, and essential medical supplies.
- Build Michigan back better



ANTHONY SMYKLA
MIOSHA

smyklaa@michigan.gov

THE BIG PICTURE

- The best practice and guidance information provided in this presentation, follows information and guidance provided through the CDC and OSHA, **as of May 6, 2020**
- Employers should continue to review CDC and OSHA websites, to ensure their workplace policies and procedures are based on the most up-to-date information available.

EXISTING MIOSHA STANDARDS

- Follow existing MIOSHA standards to help protect workers from exposure to SARS-CoV-2 and infection with COVID-19.
- MIOSHA Enforcement Guidance - [COVID19 Interim Enforcement Plan](#)
- No Airborne Infectious Disease Standard, Falls to General Duty

• **Relevant MIOSHA Standards**

- Personal Protective Equipment Part 33 (OSHA 1910 Subpart I)
- Hazard Communication Part 430 (OSHA 1910.1200)
- Respiratory Protection Part 451 (OSHA 1910.134)
- Recordkeeping Part 11 (29 CFR 1904)
- Sanitation Part 474 (OSHA 1910.141)
- General Duty MIOSHA Act 154 Section 11(a) (OSHAct Sec 5(a)(1))

MIOSHA RESOURCES

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[MIOSHA Webpage](#)

[MIOSHA Consultation, Education & Training \(CET\) Division](#)

[MIOSHA Standards](#)

[Request for Consultative Assistance](#)

[PPE Guide for General Industry \(SP #16\)](#)

[Respiratory Protection Program – Sample Written Program \(SP #05\)](#)

[Hazard Communication Program – Sample Written Program \(CET 5530\)](#)

[MIOSHA Training Institute \(MTI\)](#)

COVID-19 RESOURCES

- MIOSHA Enforcement Guidance - [COVID19 Interim Enforcement Plan](#)
- State of Michigan – [Coronavirus](#) & [Frequently Asked Questions](#)
- OSHA – [COVID-19 Information](#)
- OSHA Publication - [Guidance on Preparing Workplaces for COVID-19](#)
- CDC – [Coronavirus Disease \(COVID-19\)](#)
- CDC – [Interim Guidance for Businesses to Plan and Respond to COVID-19](#)
- CDC – [Interim Guidance for Conserving and Extending Respirator Supply \(non-healthcare\)](#)
- CDC – [Use of Cloth Face Coverings to Slow the Spread of COVID-19](#)
- Maryland Dept of Labor – [Factsheet on Respirators and Face Coverings](#)

HEALTH AND SAFETY TOPICS

- Viral HazCom
 - Signs and Symptoms
 - Transmission
- Exposure Determination
 - Risk Assessment
 - Exposure Source
 - Social Distancing
 - Shared workstation/equipment
 - Infection Prevention
- Exposure Control Plan
 - Hierarchy of Controls
 - Disinfection
 - Handwashing
 - Facemasks
 - PPE
 - Health Surveillance
 - Training
- Establish Workplace Procedures

WORKPLACE PROCEDURES

- Follow CDC Guidance!
- Assign Duties/Administrator
- Policies – Telework, Leave, Compensation, Seniority
- Identify Essential employees, establish chain of communication
- Employee Screening
- Cleaning Procedures, Handwashing, Disinfection
- Symptom reporting (ADA and HIPAA), Sick Employees, Return to Work
- Distancing, Physical Barriers, Occupancy changes
- Train employees on all new procedures

NEED HELP?

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Michigan Occupational Safety and Health Administration
Consultation Education and Training Division
525 W. Allegan, P.O. Box 30643
Lansing, Michigan 48909-8143

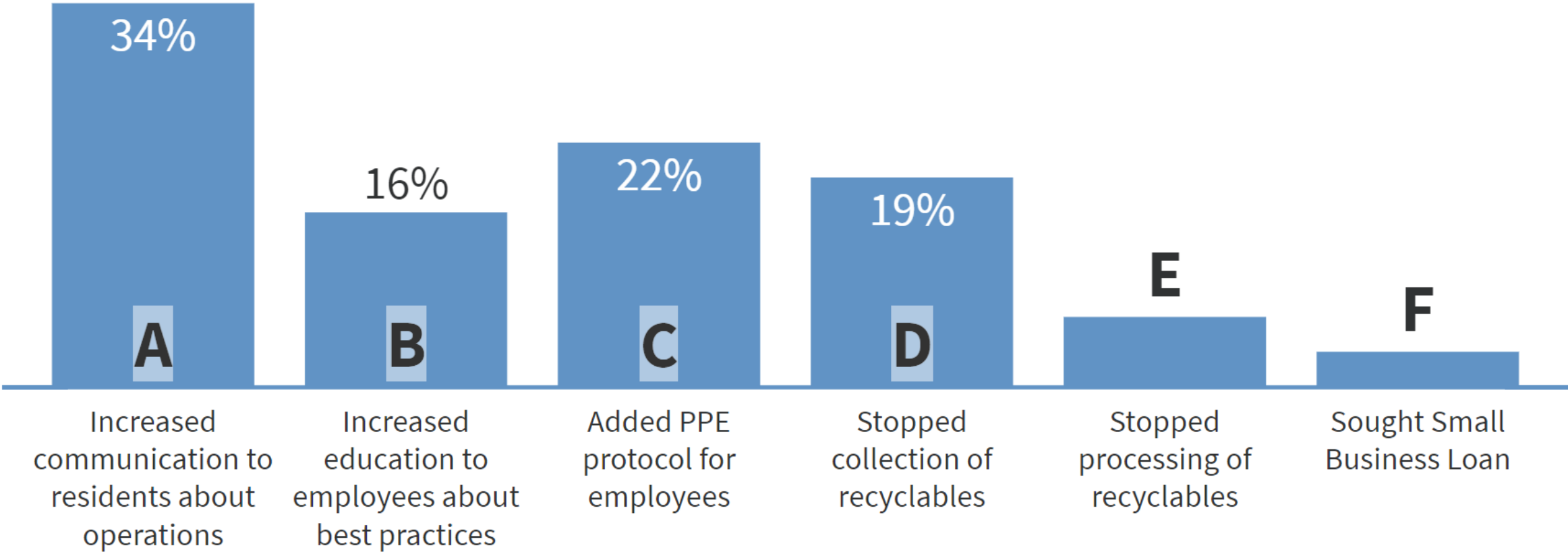
For further information or to request consultation, education
and training services, call 517-284-7720

or

visit our website at

www.michigan.gov/miosha

In the current environment, what key step have you taken in your organization?





WENDY FOUGHT
EMMET COUNTY

wendy.fought@emmetcounty.org



PPE TO CONTINUE OPERATIONS



- N95 Masks
- Dust Masks
- Homemade Masks
- Buffs/Bandanas
- Reusable Respirators
- Face Shields
- Disposable Gloves
- Eyewear



ADMINISTRATIVE CONTROLS



- Building Closed to Public
- Staff Screening & Temperature Checks
- Management Logs in Staff Time
- Radios Labeled for Single Use
- 6 ft Social Distancing
- All Touch Points/General Areas Disinfected 3x/Day
- County Pick-up Trucks Disinfected After Each Use
- Encourage Lunch/Breaks Outside or In Vehicles



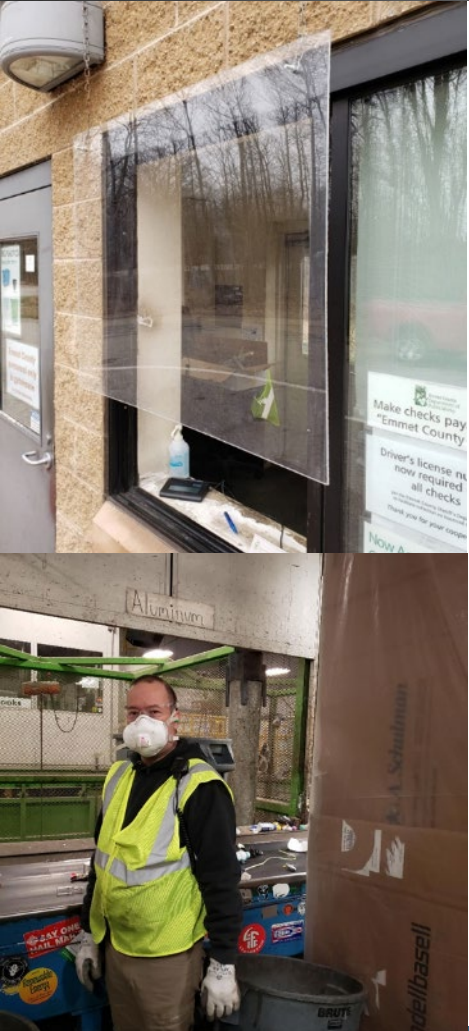
ADMINISTRATIVE CONTROLS

- Drivers Leave When Route Completed
- County Staff Receive 40 Hours of Pay (ended 4/27/20)
- Posted CDC & OSHA Guidelines
- Communicated County Policy on Activity Outside of Work
- Daily Communication Between Management & Staff
- Daily Presence of Management
- Disciplinary Action for Non-compliance



ENGINEERING CONTROLS

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- Gatehouse
 - Plexiglass Shield Between Employee & Customer
 - Disposable Gloves for All Cash/Credit Card Transactions
 - Disinfecting Stylus Used for In-House Signatures
- Sort Line
 - Leave Gloves At Station, Use Hand Sanitizer, Wash Hands
 - Barriers Built Between Sorters
 - Disinfectant Used On Line/Touch Points



- Drivers
 - Disinfect All touch Points On Trucks Every Evening
 - Disposable Gloves for Handling Materials/Carts
 - Educational Notes: No Tissues, Disposable Gloves, Paper Towels, Medical Waste
 - No Longer Picking Up Mixed Containers from Medical Facilities



Emmet County Recycling

Paper towels, tissues, and wipers are NOT recyclable.

Clean or dirty, the fibers of tissue-type papers are too short to make into something new. Please dispose of them with your garbage.

- As much as possible, use washable rags instead of paper towels.
- You can compost paper towels if they are merely soiled with food or biodegradable cleaners.
- WIPES-wise: Do NOT flush ANY wipers—even if the package says they are “flushable”—per our friends who work in wastewater treatment. Please dispose of wipers in the trash.

During the COVID-19 outbreak, we have been directed to be very strict about what we pick up in order to protect the health and safety of all DPW employees and their families.

Green Tips:





JD LINDEBERG
RRS

jdl@recycle.com

SBA RELATED LOANS

- EIDL (Economic Injury Disaster Loan)
 - \$10,000 Grant
 - Up to \$2.0M in Loan Assistance
 - For-Profit - 3.75% - up to 30-year amortization period
 - Non-Profit – 2.75% - up to 30-year amortization period
- PPP (Paycheck Protection Program)
 - Subject to maintaining staff
 - Basis – 2.5 X 2019 monthly payroll costs
 - Forgiveness – 60 days allowable payments (Payroll, lease/debt service, utilities, state/local taxes)
- Main Street Lending Program
 - Emerging program for larger organizations
 - \$80,000 EBITA
 - Minimum Loan: \$500,000

HR RELATED MEASURES

- State of Michigan – Whitmer “EO – 36”
 - Worker protection for having or caring for someone testing + for COVID19
 - Some fields exempted (essential services, first responders, medical staff)
- FFCRA (Families First Coronavirus Response Act)
 - Creates requirements for paid leave for staff AND reimbursement for private employers
 - Laid out changes to FMLA to accommodate virus related illnesses
- CARES Act Tax Credits (not applicable to PPP recipients)
 - 50% of qualified wages per quarter
 - For period of 3/12/20 – 12/31/20
 - Employer paid payroll taxes can be delayed

RE-OPENING FOR BUSINESS

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- This is a Work in Progress for Most of Us
- Basic Outline
 - Social Distancing
 - Cleaning, Protection & Hygiene
 - Employee and Visitor Screening
 - Policies
 - Other Considerations (travel, “at-risk” staff, regional differences)
- Data Driven: “The virus will tell us when it make sense to open up again – not vice-a-versa”

COVID19 Resources for Small Businesses and Non-Profits

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- Regular email communication to my personal network
- Clearinghouse for information and experience sharing
- >100 people on distribution list from California to Connecticut
- Send a request to jdl@recycle.com if you want on the list.

Organization Success in Getting Funds

Organization	PPP Total	EIDL Grant	Staff
For-Profit	\$1,304,000	\$45,000	104
Non-Profit	\$3,458,000	-	234
GRAND TOTAL	\$4,762,000	\$45,000	338

What are your biggest challenges?

“Focus”

“End use markets”

“Needing employees”

“Learning public health”

“Communicating changes to services and dispelling false information about programs.”

“Need workers”

“Not knowing what will happen and when”

“Convincing leadership of the value of recycling”

“Not knowing the future”

“continuing education/engagement for the community”

“Not knowing the future!”

“Epty Clean Dry material”

“reassuring Residents that recycling is essential even though we had to temporarily shut down”

“Children”

“Informing decision makers on importance of recycling”

“trust that we can weather the storm”

“Labor challenges”

“Concern individuals will decide not to recycle 😞”

“Cannot travel to visit customers”

“Low end market demand”

“Balancing resident and staff needs.”

“How to educate with social distancing”



LARS DANNBERG
UP PAPER

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UP PAPER

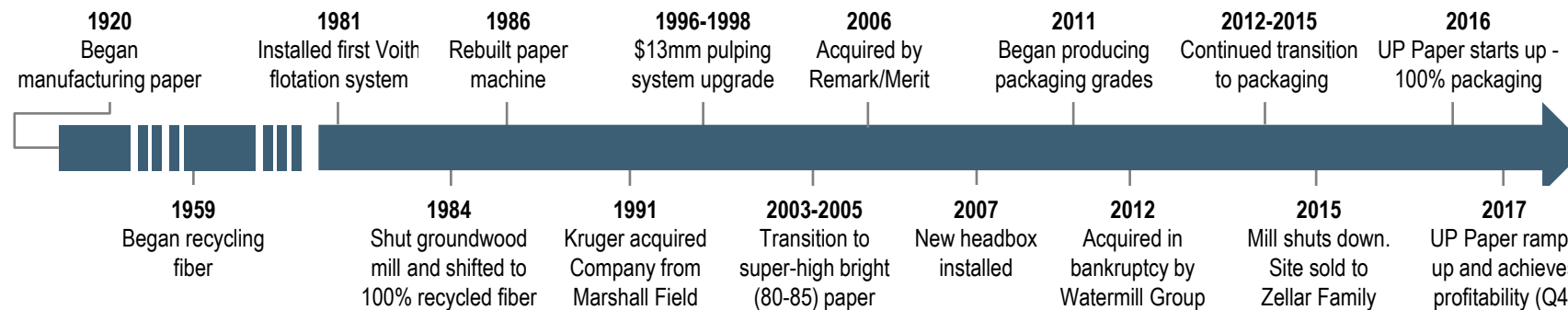
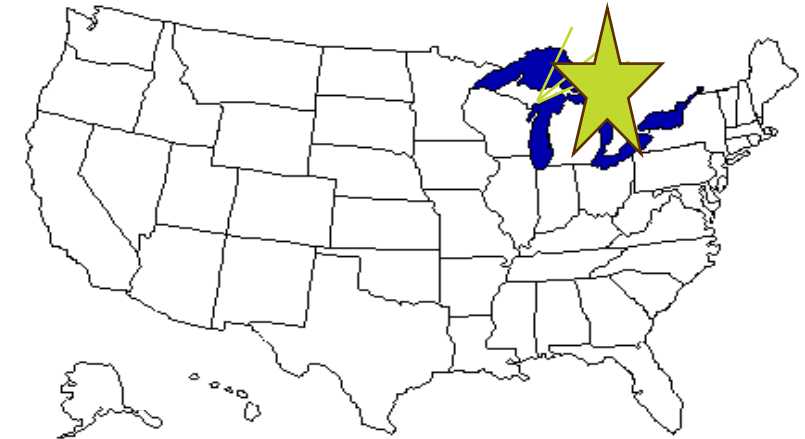
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MILL HISTORY & LOCATION

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- Located in Manistique, MI; northern shore of Lake Michigan
- Manufacturing paper since 1920
- Started using recycled fiber in 1959
- Moved to 100% recycled fiber in 1980s
- First to produce super high bright recycled paper in mid-2000s
- Converted to packaging grades from 2011-2016





PRODUCT

- 100% Recycled Natural Kraft
- 25-70 lbs. per 3,000 sq. ft.
- Primary Uses:
 - Fast food take out bags
 - Lightweight shopping bags
 - Packaging filler



RAW MATERIALS

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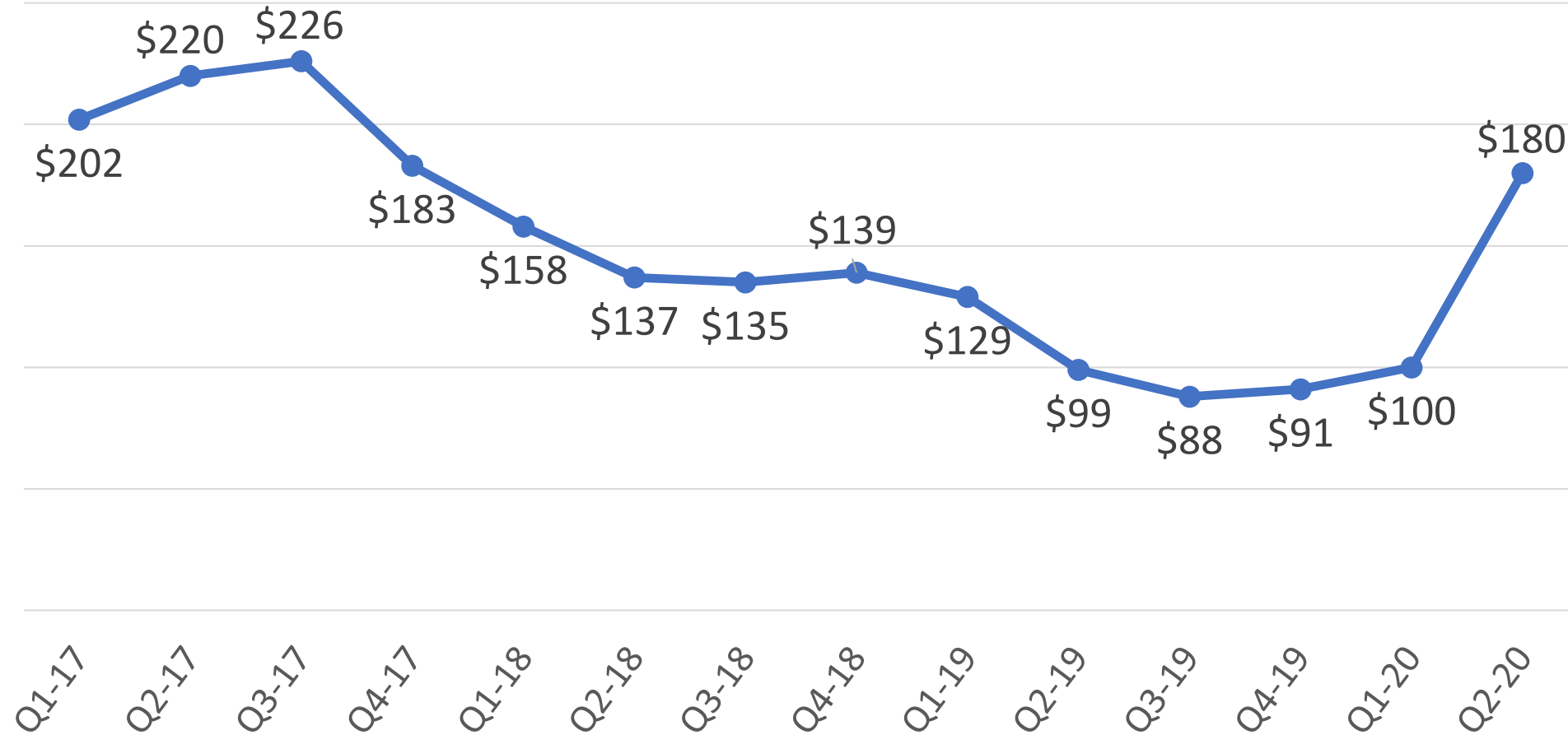


- DLK (35%)
 - Double Lined Kraft
 - Scrap generated at the box manufacturer
 - Very clean
- OCC (65%)
 - Old Corrugated Containers
 - Boxes from recycling programs
 - Not as clean



LANDED WASTE PAPER PRICE

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JOHN PARRIS II
GREAT LAKES TISSUE

jparris@greatlakestissue.com



CURRENT RAW MATERIALS

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- Printed milk carton
- Post consumer milk carton
- PET coated paper
- Post industrial hot & cold cup
- Scrap tissue



COVID / PAST RAW MATERIALS

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- Wet lap
- Envelope stock
- Paper plates
- Supply & Demand
- Raw material costs increased 20%
- Local demand versus capacity



OUR COMMUNITY SALE

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- 6 hr community toilet paper sale
- Small roll bath, jumbo roll tissue, center pull towel
- Sold over 1,400 cases
- Postponed second sale for health and safety concerns





EADAOIN QUINN
EFS-PLASTICS

eadaoin.quinn@efs-plastics.ca

CHANGE IN SUPPLY

- Overall, no drastic change in supply
- Most MRFs deemed essential businesses
 - Some suspensions, but most back running by now
- Have noticed a slight decrease in commodities we buy
 - #3-7 – fewer take out containers/cups
 - Film – less film brought back to store take-back programs

CHANGE IN DEMAND

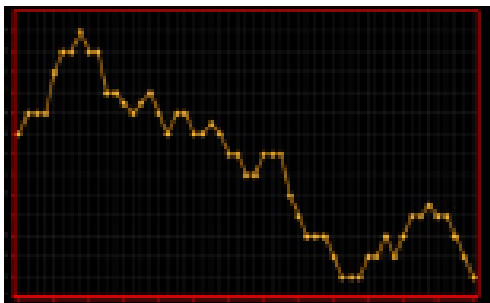
- Suspension of California's plastic bag ban for 60 days
 - Required use of 40% post-consumer resin, which was major demand pull for film recyclers
 - Suspension caused immediate decline in demand for PCR film resin
 - Expected to resume in July, but demonstrates that broader demand is required for film recycling
- Some decline in sales for rigid PE & PP as retail market declines
 - Less focus on recycled content commitments during this difficult economic time
 - Slower movement of inventory by our customers for consumer facing products like storage containers, planters, fencing, etc.



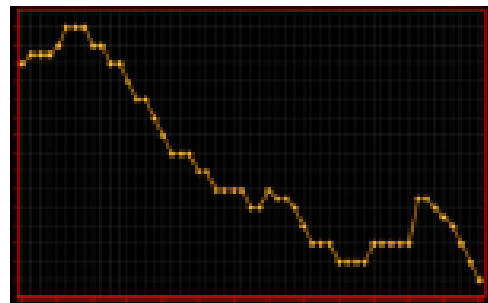
DECLINING VIRGIN PRICING

- Unfortunately, a vaccine won't solve this on-going challenge
- Capacity for production of virgin PE & PP is expanding rapidly over next couple of years
- With excess production capacity, pricing for virgin has decreased to record lows – and is expected to continue to decrease over next couple of years
- Further, tariffs on trade to China has decreased ability to export plastic resin created in North America, leading to even lower virgin resin value
- Difficult for recyclers to compete economically
- Need to increased demand for post-consumer resin, and to decouple the PCR market from virgin, is more important than ever

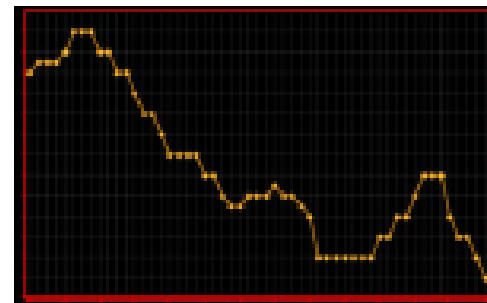
Virgin PP Pricing Over Past Year



Virgin HDPE Pricing Over Past Year



Virgin LDPE Pricing Over Past Year



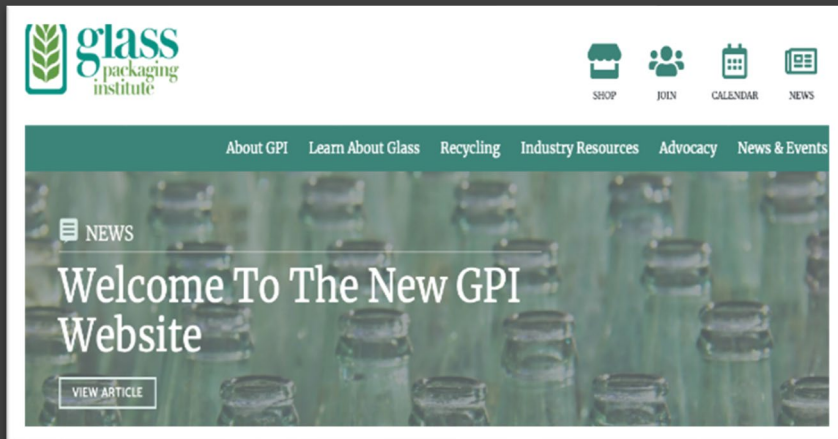


SCOTT DEFIFE
GPI

sdefife@gpi.org

GLASS ORGANIZATION RESOURCES

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www.gpi.org



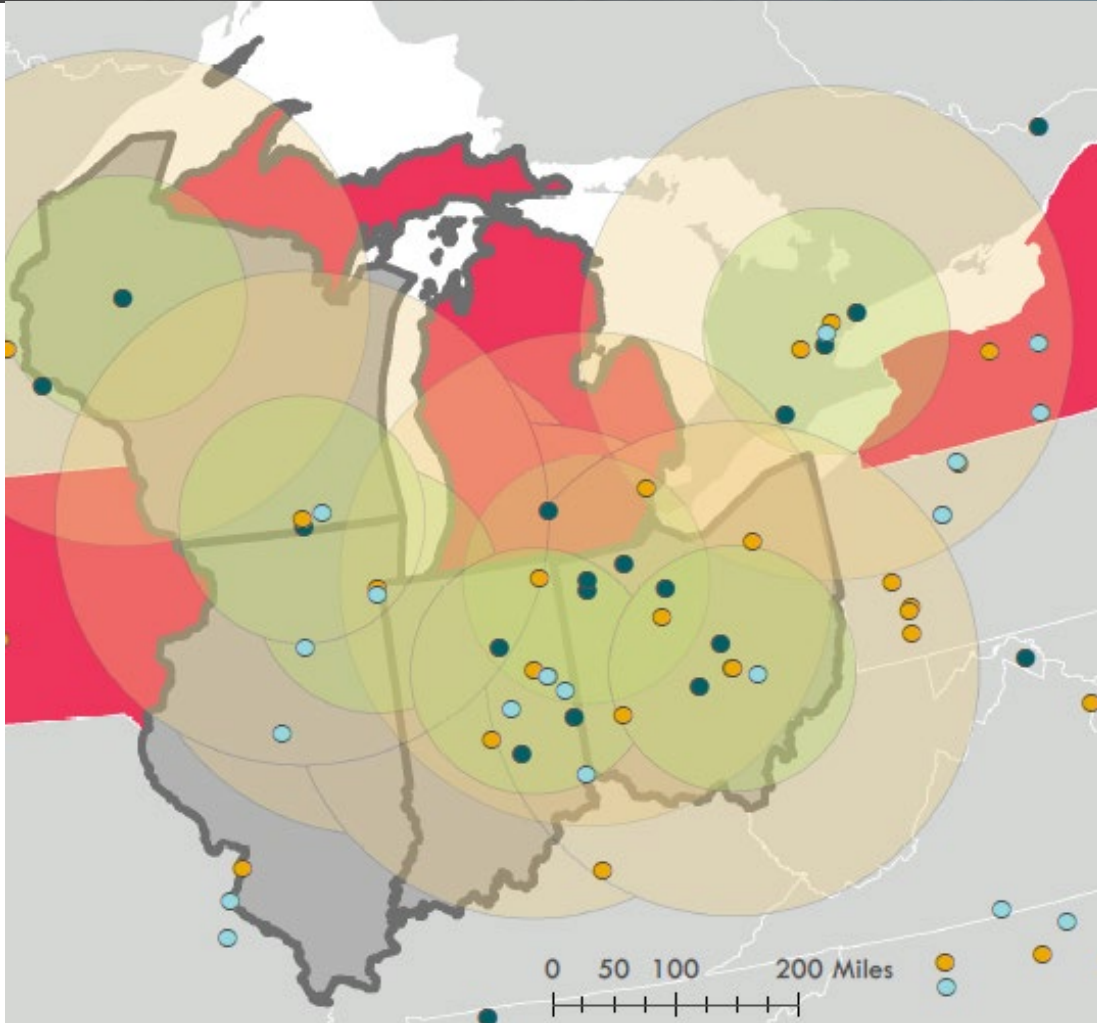
www.GlassRecyclingFoundation.org





www.GlassRecycles.org

GREAT LAKES REGION: MI, IN, IL, WI, OH

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Legend

-  Glass Manufacturers
-  Glass Recycling Processors
-  Fiberglass Plants
-  Bottle Bill States



GLASS CONTAINER INDUSTRY – ESSENTIAL OPERATIONS

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- **Food & Beverage Packaging** Supply Chain Essential - CISA Guidance Ensures States Aligned (USMCA regional goal) ; Waste Management & **Recycling Deemed Essential**
- **Record Consumer Demand Shifts** to Food / Grocery Staples and virtually all beverage categories
- Glass Plants & **Entire Supply Chain** Needed to meet demand
- **Recycled content supply challenge across materials** due to On-premise closures; Redemption enforcement suspension; MRF / Hauler operational changes for health of workforce
- **Michigan: added challenge** due to the deeming of bottle-rooms as non-essential by retailers
- **Educational Opportunity** - link cullet supply to new container production; and innovative recovery options





April 2, 2020

Mr. Ronald Owens
Office of the Governor
The Honorable Gretchen Whitmer
P.O. Box 30013
Lansing, Michigan 48909

Re: Request for Michigan's Beverage Container Deposit Program to Resume Operations

Dear Mr. Owens,

On behalf of our trade associations and member companies, we are expressing our desire for you to issue immediate clarifications to stakeholders and consumers regarding recent and temporary changes made to your beverage container deposit program, to reconsider action taken to suspend program operations, and to highlight the critical role Michigan's beverage container deposit program plays in supporting essential manufacturing business operations.



QUESTION & ANSWER

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MATT FLECHTER
EGLE



TONY SMYKLA
MIOSHA



WENDY FOUGHT
EMMET COUNTY



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EFS-PLASTICS



SCOTT DEFIFE
GPI

What topics would you like to see in future webinars?

“How to reduce post COVID”

“Recycling system economic sustainability.”

“Reuse”

“Closed loop”

“Dont give up zero waste goals in a pandemic”

“Capitalism's need for more waste”

“Emerging opportunities in recycling!”

“Statewide communication on reducing residue stream to all municipalities”

“Store take back programs - getting them teenaged”

“EPR - let's do it!!”

“Compost - covid concerns”

“EPR and EMF (Circular Economy)”

“Food Waste”

“I'd like to hear how people are receiving the recent documentaries Plastic Wars and Story of Plastic...”

“Circular economy”

“Increased use of post-consumer content”

“Composting”

“Reduce”

“EPR”

“Organics”

“What are businesses doing to increase buying recycled content office supplies.”

“Developing markets with collaboration and innovation!”

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THANK YOU