




GLASS RECYCLING COALITION

MAKING GLASS RECYCLING WORK

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WHO WE ARE



A unique, collaborative coalition focused solely on making glass recycling work

MEMBERSHIP



ArdaghGroup



GALLO GLASS
COMPANY



Recycling Earth's Resources



PIONEERS IN SUSTAINABILITY



NORTH AMERICAN INSULATION
MANUFACTURERS ASSOCIATION



PEGASUS
CAPITAL ADVISORS



Pernod Ricard



Naturally Inspired Thinking



SIMS
MUNICIPAL
RECYCLING



REPUBLIC
SERVICES



National
Waste & Recycling
Association
Collect. Recycle. Innovate.



Voice of the Recycling Industry™



RMC | Resource Management Companies



EMTERRA
Environmental



M
MACHINEX



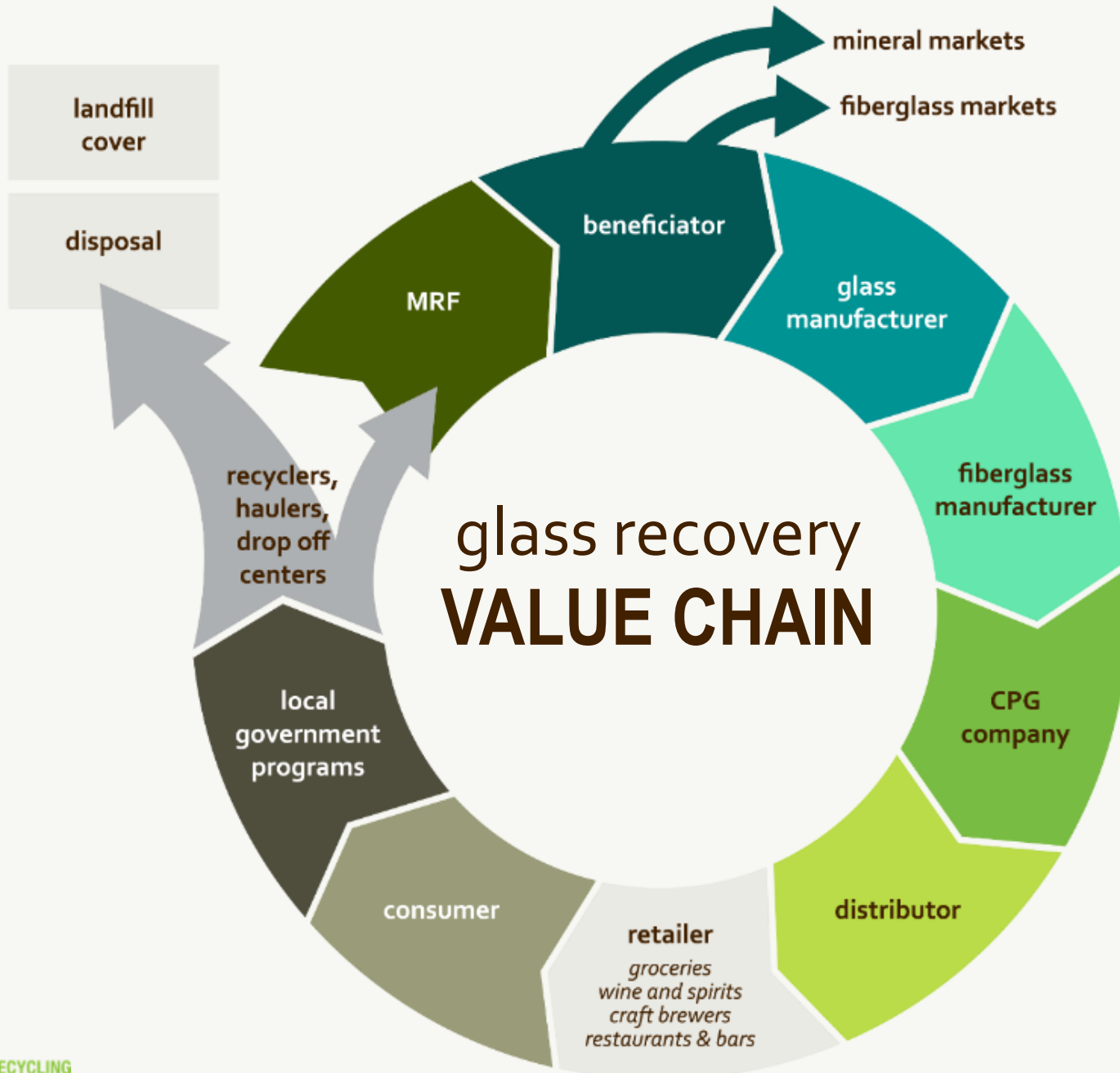
Constellation
Brands



casella
RESOURCE SOLUTIONS



GLASS
COA



WHY RECYCLE GLASS?

33%

on average recycled glass in new glass containers

2.4

MILLION

tons of recycled glass used annual to make new bottles and jars

60%

is used for new containers or insulation

WHY RECYCLE GLASS?



Energy and GHG emissions reduced by

1/3 MT

for every ton of recycled glass used



91%

of consumers want to recycle glass. Cities can't accomplish with zero-waste goals without it

GRC IS ADDRESSING CONCERNS TO IMPROVE PROCESSING AND MARKETING



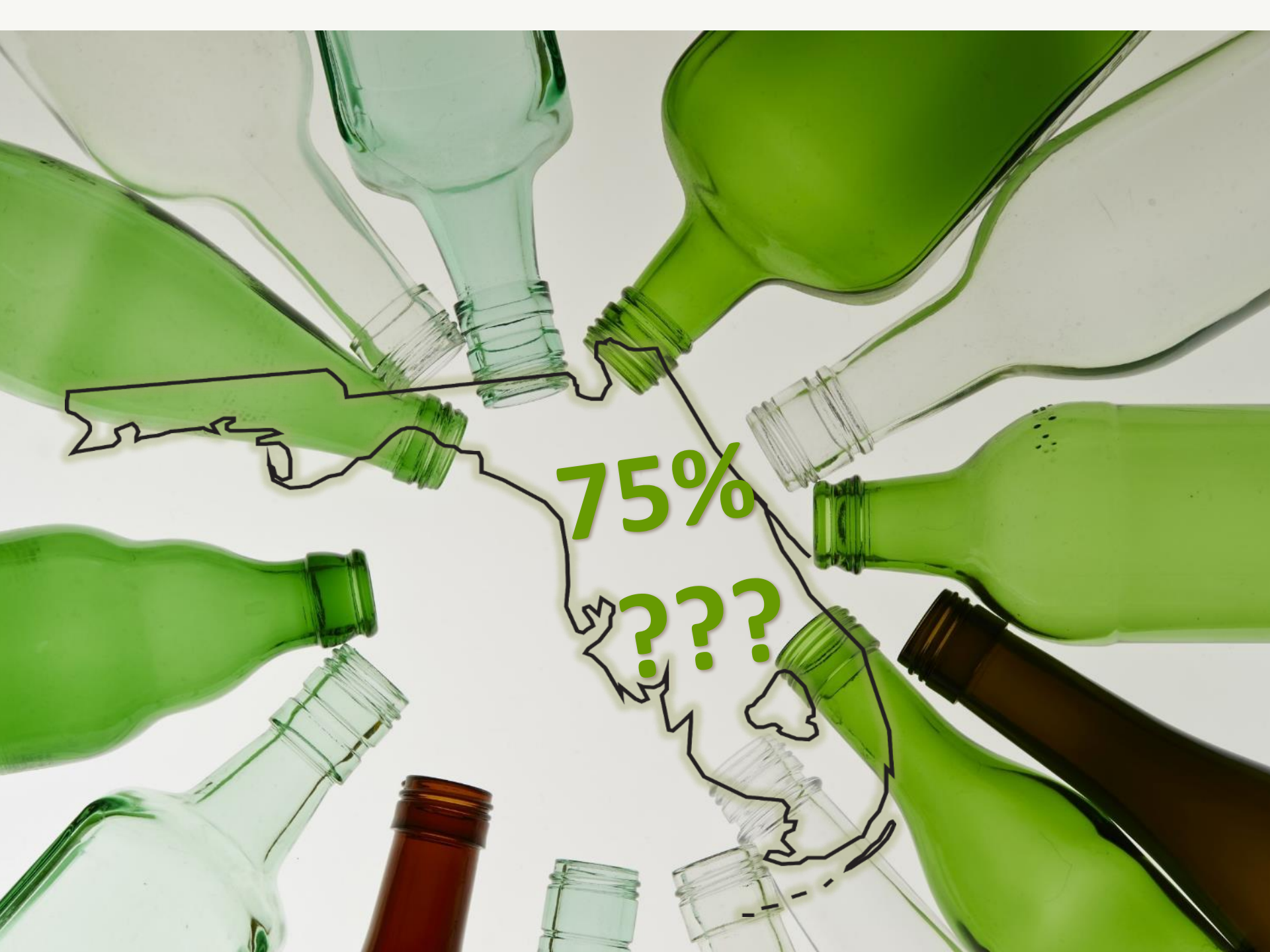
**Solve current
operating
dilemmas**



**Partner with
glass experts &
decision makers**



**Ensure MRFs
recover costs for
continued
investment**

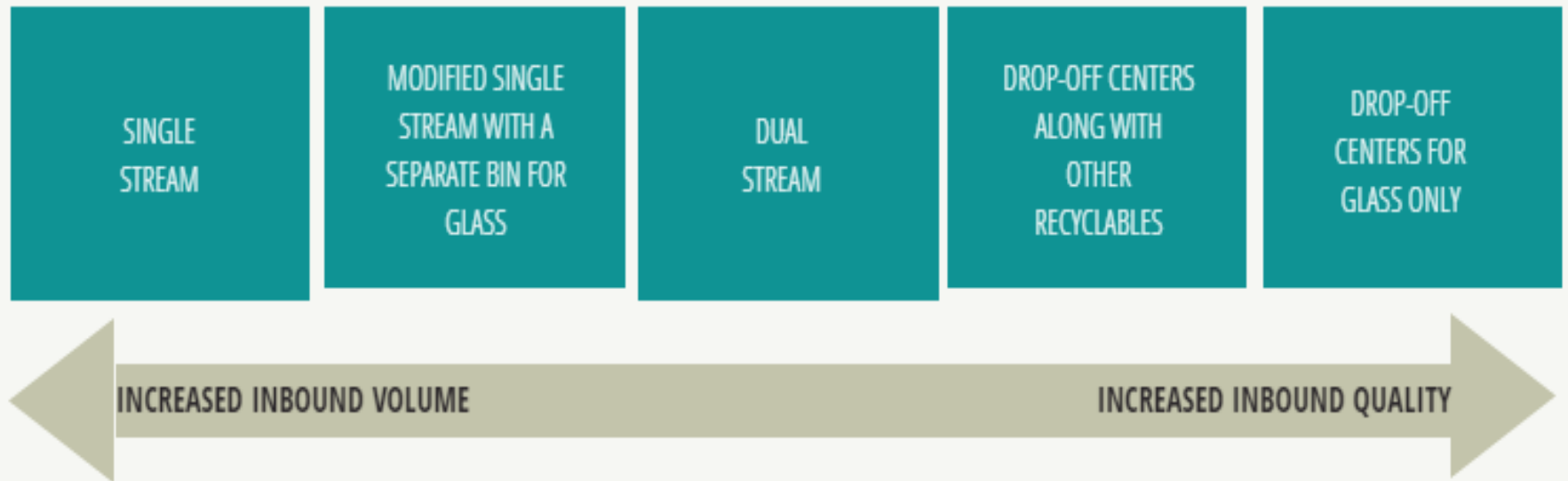


75%

???

COLLECTION MODELS

BEST PRACTICES



OUR FOCUS

All glass containers are continuously recycled to the highest and best use, maximizing economic, environmental and social benefits.



Best practices



Collaborating for success of glass recycling



Strengthening glass markets



Partnering with Glass Champions



Providing solutions-oriented, public-sector resources

MRFS



END MARKETS



Momentum Opens Bottle-to-Bottle Glass Recycling Plant

END MARKETS



Ohio-based Rumpke Waste & Recycling Dayton opens a \$1 million renovation at its mixed glass recycling center

ACTION PLAN

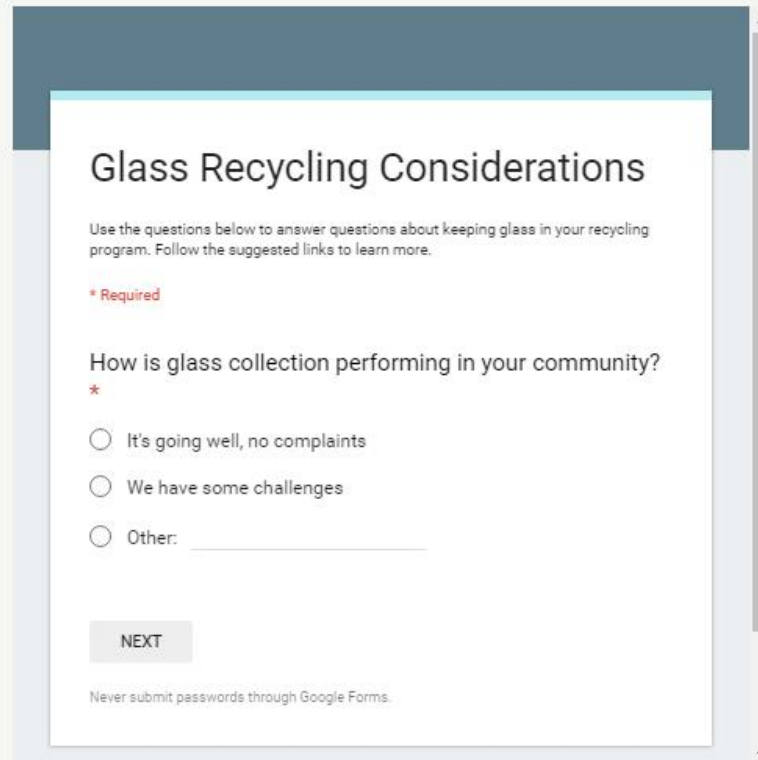
Research best practices and provide tools for decision makers to better recycle glass

PUBLIC-SECTOR RESOURCES

[Home](#)[About Us](#)[For Consumers](#)[Tools](#)[Best Practices](#)[Membership](#)[News](#)[Contact](#)

RECYCLING PROGRAM CONSIDERATIONS

Use the following tool to assist you in making informed decisions about glass in your recycling program. Answer questions and follow the links to learn how other communities are making glass recycling work.



The image shows a screenshot of a Google Form titled "Glass Recycling Considerations". The form is displayed within a light blue frame that has a dark blue header bar at the top. The form content is as follows:

Glass Recycling Considerations

Use the questions below to answer questions about keeping glass in your recycling program. Follow the suggested links to learn more.

* Required

How is glass collection performing in your community?
*

- It's going well, no complaints
- We have some challenges
- Other: _____

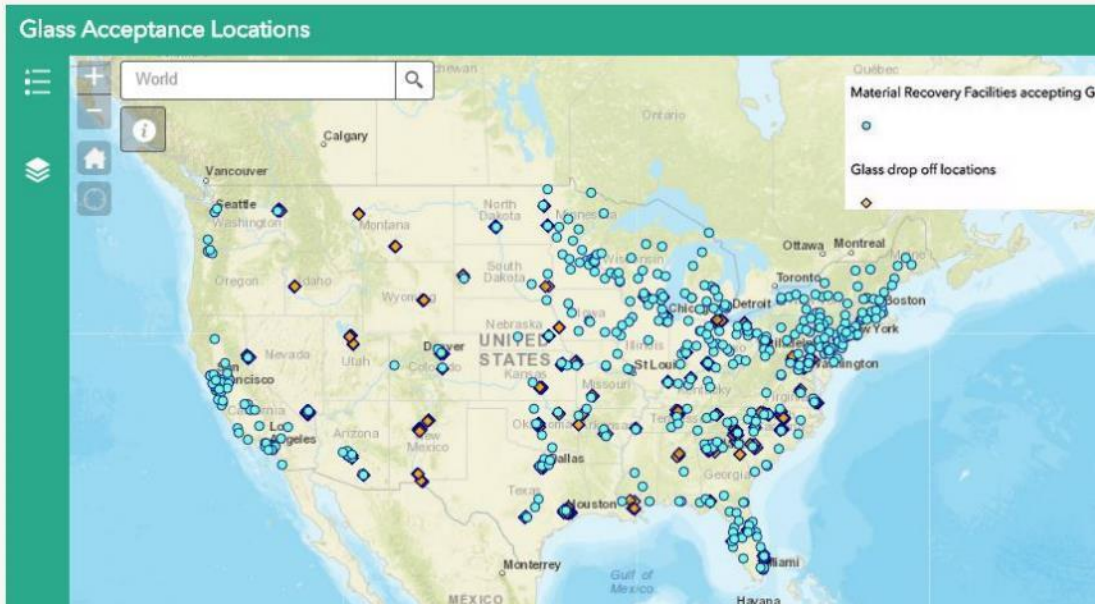
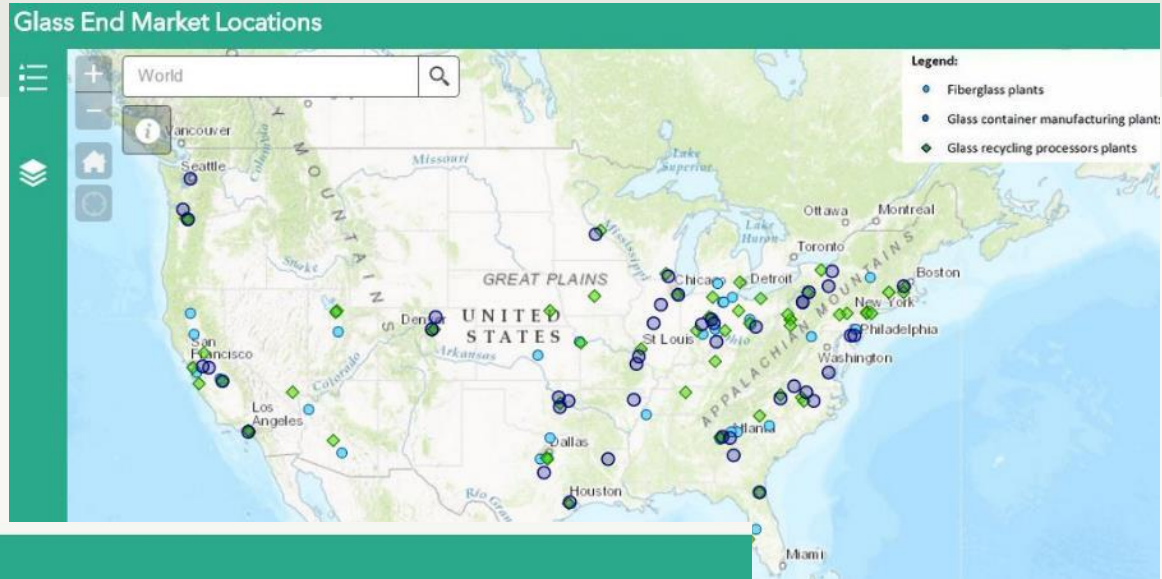
NEXT

Never submit passwords through Google Forms.

RESOURCES



Strengthening glass markets



Glass Recycling Access

MRF RESOURCES



MRF BEST PRACTICES: A DETAILED VIEW

GENERAL

The best glass handling practices will vary depending on your collection system, the equipment installed at your Material Recovery Facility (MRF) and end-markets.

PROCESS GOALS

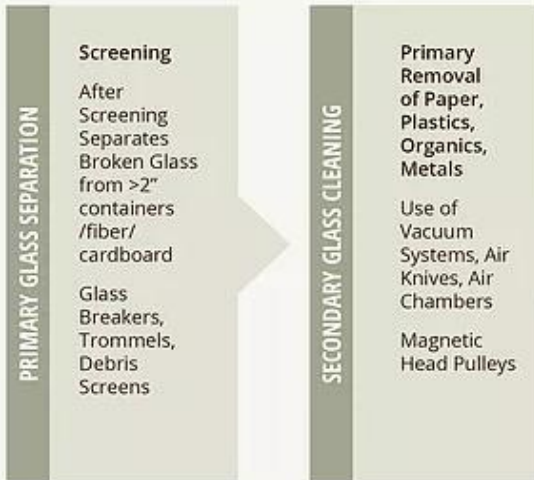
Processes should minimize glass cross-contamination with other commodities:

- Non-glass residue (NGR) must be minimized for highest value/lowest cost of glass recovery from MRFs. Glass should have a minimum of moisture, organics, dirt, fines and light fraction materials (i.e. shredded paper, plastics, and other trash);
- For glass to be considered for further secondary processing into cullet:
 - Maximum allowable NGR is <35% for outbound MRF-derived glass for secondary processing,
 - <1/8" fines are not considered glass in most MRFs and are counted as disposable residue,
- Contaminants (paper, organics, dirt and fines) in glass hold moisture after processing. These properties reduce the yield of the material, increasing subsequent disposal.
- No matter what equipment your MRF has installed, you can improve the quality of glass recovery by following best operator practices from the tipping floor, to good preventative maintenance systems, to minimizing glass breakage.

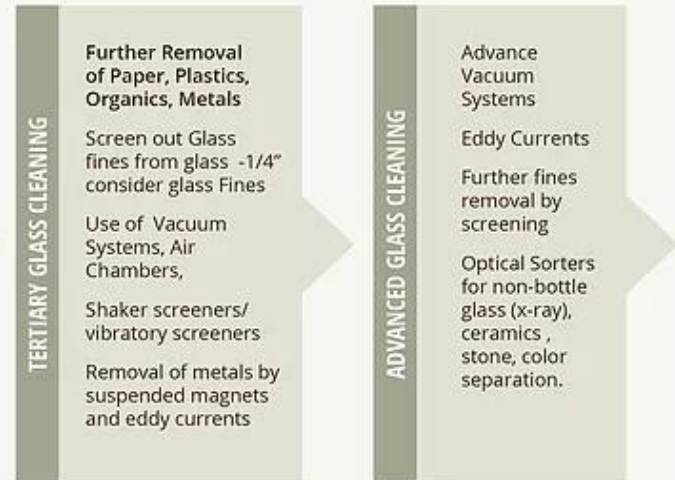
MATERIAL RECOVERY FACILITY DESIGN

- The design and configuration of glass removal and cleaning systems have a big impact on their effectiveness.
- Before deciding on purchasing glass equipment in a MRF,

TYPICAL MRF FUNCTIONS



TYPICAL SECONDARY PROCESSOR FUNCTIONS



COST OF SYSTEM

VALUE OF MATERIALS

HIGH RESIDUE, HEAVY CLEANING

DIRECT CULLET TO FURNACE

ACTION PLAN

Engage directly with target state and local governments where glass recycling is challenging

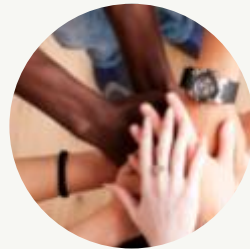
ACTION PLAN



Quarterly public-sector webinars on glass recycling



Participation in Glass forums



Support Atlanta Glass Recycling Summit



ACTION PLAN



Equip a network of glass champions to act as community resources for making glass recycling work

ACTION PLAN



Local glass champions & Municipal Glass Survey



Ongoing Glass Recycling Support for Communities



Expertise across the glass recycling value chain



**Are YOU a
Glass
Champion?**



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RRS 
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