

Solid Waste Management Workgroup Meeting

August 1, 2013

State Library

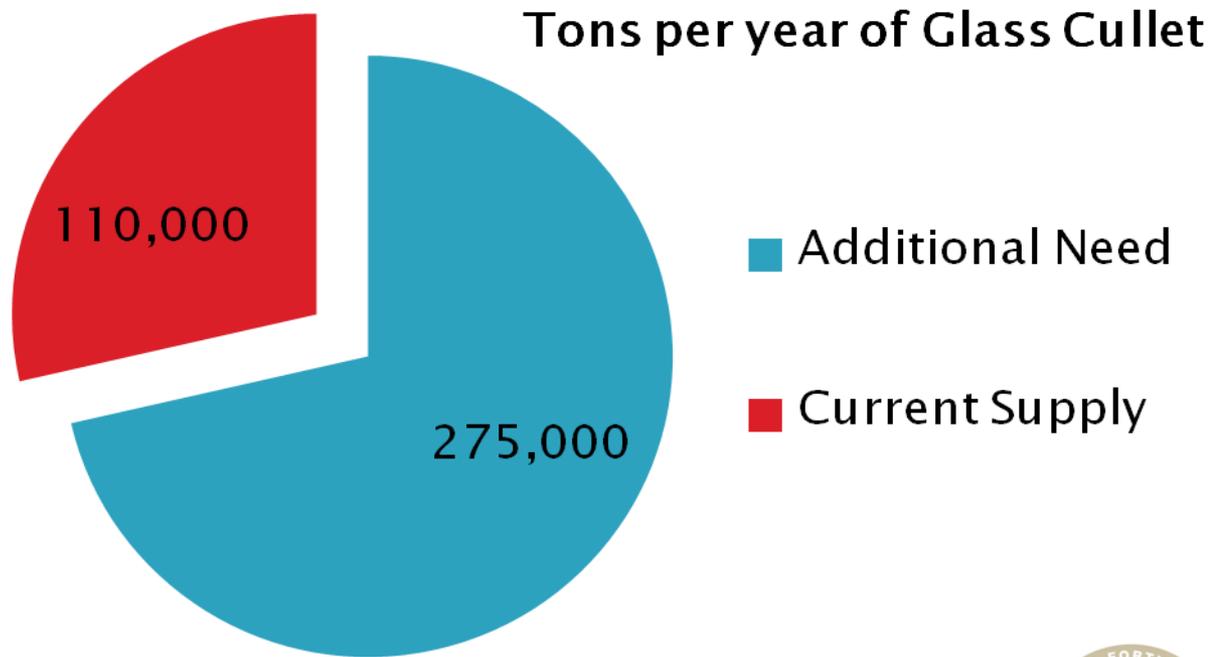


Glass Recovery in Ohio

- Overarching Goal: “.....simply improve the connections between those having glass and those needing glass.”



Glass Study



“Ohioans send to landfills most of glass containers produced”



Perfect Storm

- Major glass processors
- Ohio's core manufacturers
- 90% still going to landfill
- Strong desire to define/improve the market
- Ohio EPA & Governor's commitment



Glass Study

- DSM Environmental analyzed five strategies for recovery of additional glass
- Not meant to be a definitive answer to the question of cost and benefits but rather one way to prioritize strategies



Recovery Strategies

- Expansion of single stream recycling could roughly supply 60,000 new tons of glass;
- Implementation of glass recycling programs for bars and restaurants could be estimated 53,000 new tons of new glass cullet;
- Source separated collection of glass by color using glass drop-off locations throughout Ohio could bring an additional 14,400 tons of container glass.



Recovery Strategies

- Recovery of additional plate glass from windshield replacement but this is an unknown market.
- Glass bottle bill legislation could recover an estimated 239,000 tons of glass.



Ohio's Progress Report

- Glass Stakeholders convened
- DSM Environmental hired for Glass study
- 2010 MOU – Owens Illinois and Rumpke
- Glass collection pilots

Marion County – Glass Act

Hamilton County – Downtown Cincinnati



Ohio Progress Report

- State grants focused on glass
 - Processing – SI & Rumpke
 - Expanded Curbside Recycling – Single Stream
 - Modernization of MRFs
 - Developed new partnerships – Ohio Mulch



Statewide Initiative

- Voluntary Bar & Restaurant Recycling;
- Establish 9 regional Glass Act Recovery Centers (transfer stations/glass depots) in Ohio - linked to processors;
- Create Glass Act Recycling Drop offs – located in existing drop off areas (Ripple Glass model)



Statewide Glass Initiative

- Target Grant Opportunities for Ohio Communities & Local Businesses - The Ohio EPA will fund up to \$1 million in grants to start and/or expand glass container recycling in bars, restaurants, and hotels in Ohio



Demonstration Projects

- Ohio EPA would work with districts and industry leaders to develop demonstration projects in the 9 regional Glass Act transfer station sites.



Regional Focus

- Columbus
 - Recycling on High Street
- Dayton
 - Southwest Regional Meeting – 13 SWMD
- Cleveland
 - Meeting w/ Strategic Materials



Dayton Meeting

- Adams Clermont, Brown, Clark, Clinton, Miami, Montgomery, Greene, Hamilton, Preble, Butler, Logan, Clark, & Warren
- Rumpke's role
- Discussions & brainstorming
- Potential projects identified



Public Education & Awareness

- Ohio EPA would collaborate with industry to develop how-to toolkits for bars, restaurants, and hotels wanting to start a recycling program.
- Ohio EPA provide seed money for 2 years to start a statewide education/promotion campaign to encourage glass recycling.



Ohio EPA is committed to...

- Implementing strategies that strengthen glass recycling programs across the state that can create a competitive advantage for Ohio manufacturers.
- We will be careful that it is not done at the expense of others.



Final Thoughts...

- The Division will work with all industry stakeholders to help establish infrastructure needed to help turn the valuable glass cullet away from landfills and back into jobs for Ohioans.

