

# NY Glass Stakeholder Meetings Overview

Federation Conference

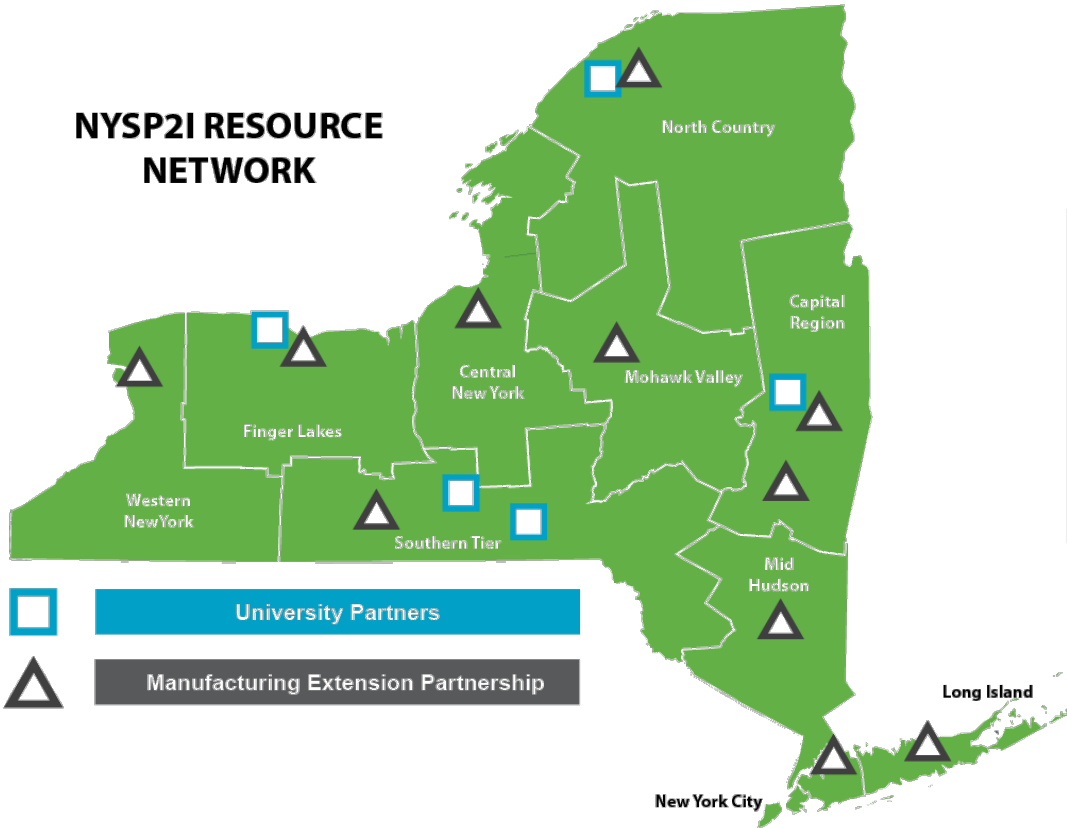
May 20<sup>th</sup>, 2019



# NYS Pollution Prevention Institute

- HQ at RIT
- Established in 2008
- \$3.9M in annual NYS funding administered through the NYS Department of Environmental Conservation
- Focus areas include:
  - Sustainable Manufacturing Assessments
  - Supply Chain Sustainability
  - Technology Commercialization
  - Food Waste Diversion
  - Outreach & Education
  - Research & Development
  - Emerging Contaminants

## NYSP2I RESOURCE NETWORK



Department of Environmental Conservation



**NEW YORK**  
Manufacturing Extension Partnership

# Assistance for NYS Companies, Municipalities & Non-Profits

- **Must be NY-based**
- **Typical project cost range is \$15-\$50k**
- **NYSP2I funding offsets most of the project cost to the organization**
  - Expenses are non-capital expenses
  - RIT's engineering, technical and project management services
- **Post-project reporting**
- **Typical project takes about 2-6 months**



# Introduction

- **Why glass? DEC background & perspective**
- **NYSP21's role**
  - Co-host and facilitate stakeholder meetings ([complete](#))
  - Report on the current state of glass recycling (current)
  - Study/research Bottle Bill expansion (current)
- **Framework of stakeholder meetings**
  - Presentations
  - Discussion (challenges & opportunities)
  - Stakeholders in attendance

## Guest Speakers

- **NYS Department of Environmental Conservation-**  
Overview of Beneficial Use Determinations
- **NYS Department of Transportation-** Understanding the  
Market & Allowable Uses
- **Rockland County Solid Waste Management Authority-**  
Opportunities to Reuse Recycled Glass
- **Sims Municipal Recycling-** Overview of Sims Municipal  
Recycling
- [Presentations](#)

# Supply & Demand of Recycled Glass

Challenges	Opportunities
<ul style="list-style-type: none"> <li>• Finding reliable &amp; consistent outlets</li> <li>• Fewer outlets- regional facilities have closed</li> <li>• Potential users are hesitant</li> </ul>	<ul style="list-style-type: none"> <li>• Increase demand:               <ul style="list-style-type: none"> <li>- Educate potential users</li> <li>- Legislate to require use</li> </ul> </li> <li>• Increase supply:               <ul style="list-style-type: none"> <li>- Stage material</li> <li>- Expand Bottle Bill</li> </ul> </li> <li>• Set collective goals for improvement</li> <li>• Co-locate suppliers and users</li> </ul>

# Quality of Recycled Glass

Challenges	Opportunities
<ul style="list-style-type: none"> <li>• High contamination rates &amp; color mingling</li> <li>• Residential confusion and lack of education</li> </ul>	<ul style="list-style-type: none"> <li>• Phase out single stream and return to dual</li> <li>• Collect restaurant and bar glass separately</li> <li>• Expand or rethink Bottle Bill</li> <li>• Increase consumer education</li> <li>• Create program to facilitate the return and reuse of glass containers</li> </ul>



# Cost of Recycled Glass

Challenges	Opportunities
<ul style="list-style-type: none"> <li>• Glass is a low value material that is expensive to process and transport</li> <li>• Market variability</li> <li>• Landfill disposal is cheap in many regions of NYS</li> <li>• Transport is expensive</li> <li>• Glass wears down equipment</li> </ul>	<ul style="list-style-type: none"> <li>• Implement EPR model</li> <li>• Invest in increasing quality of higher value streams to offset glass costs</li> <li>• Increase funding for education, infrastructure and innovation</li> <li>• Co-locate recycling facilities with glass manufacturers</li> <li>• Move away from single stream collection</li> </ul>

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## Next Steps:

- P2I will complete a study on the current state of glass recycling.
  - P2I will identify key gaps & continue to work with stakeholders throughout the process
- P2I will provide DEC with Bottle Bill research support and a study

# Thank You

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RIT



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Rensselaer

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