

<p>New York State Environmental Investment Program (EIP) Capital Project Summary Trilogy Glass, LLC</p>
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Project Background

Trilogy Glass is a division of FCR Recycling, a wholly-owned subsidiary of Casella Waste Systems. Trilogy's facility in Stanley, NY represents one of the first operational advanced glass processing facilities in the nation that is capable of converting color-mixed contaminated glass containers collected for recycling into sorted, quality cullet used in the manufacture of new glass containers and fiberglass insulation. Trilogy's innovative system was strategically co-located adjacent to FCR Recycling's state-of-the-art, single-stream processing plant at the Ontario County landfill.

Project Description

The driving force for this investment was the dire need for a closed-loop solution for glass recycling in the Finger Lakes region of upstate New York. Although some sorted glass collected via the State's Bottle Redemption Law was getting to glass and insulation makers—who prefer recycled supplies because they can make product using about 30% less energy than when they use virgin materials—there was still more than 100,000 tons of mixed contaminated glass being collected annually in the region that the traditional markets could not accept. That glass was often being used in one-time, low-value, engineering applications, such as road sub-base or alternative daily cover at landfills.

This project would sort and process equipment needed by Trilogy Glass to potentially recycle as much as

50,000 tons of glass each year for use by glass mills and insulation manufacturers. During the first two years in operation, Trilogy committed to processing at a rate of at least 30,000 tons of mixed glass per year. As a result, regional Material Recovery Facilities and other glass suppliers, as well as the end-users of the processed sorted glass, would see conservative dollar benefits totaling at least \$735,000 per year. Additionally, twelve new jobs would be created.

Project Results

Trilogy installed a new process line capable of recycling mixed-color glass or source-separated containers. During the first six months of 2008, the Trilogy plant processed glass at a rate indicative of recycling 35,156 tons per year. Based on a \$40/ton average landfill cost, the facility is saving its suppliers approximately \$1.356 million annually by providing the recycling option. At this time, the average supplier is receiving \$1.43 for a ton of glass tipped at the Trilogy facility, with higher quality glass suppliers receiving payment, and dirtier mixed glass suppliers paying to have their glass recycled. In addition, by using recycled glass, container manufacturers like Auburn-based Owens-Illinois or Anchor Glass in Elmira are reducing per unit production costs and operating more competitively. To date, 15 new jobs have been created at Trilogy.

Contractor:	Ontario County Industrial Development Agency	NYS EIP Investment:	\$496,607
County:	Ontario	Contractor Match:	\$1,582,722
ESD Region:	Finger Lakes	Total:	\$2,079,329
ESD Contact:	518/292-5340	Completion Date:	July, 2008