

<p>New York State Environmental Investment Program Capital Project Summary</p> <p>Cortland Plastics International, LLC</p>
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Project Background

Cortland Plastics was established in 2006. Since inception, it has grown at a constant pace and will be doubling its size by the end of summer in 2010. The company continues to add new jobs and will be adding additional positions when the expansion is complete later this summer.

Cortland Plastics started with three blow molding machines and has added three additional machines over the last two years. When the expansion is complete later this summer, two additional machines will be added for a total of eight. There will still be room on the manufacturing floor for four additional machines.

The Continuous Extrusion Blow Molding Process yields plastic flash by-product that has typically been discarded. Historically, plastic resin has been very inexpensive, which made recovery cost too high. As oil and natural gas has become more in demand with less supply, recovering the plastics by-product is now cost effective. On average, 30% plus of the plastics shot size in making plastic bottles is by-product.

This project will allow Cortland Plastics to recover more than 96 percent of the 30 percent average plastic by-product on its manufacturing plastic molding lines.

Project Description

The project is about purchasing all the necessary plastics material storage, material handling, material processing, material grinding, material proportioning and material feeding to automatically separate and process the more than 30 percent plastic by-product and reuse it back into the company's molding operation. When bottles are produced, the shot size includes the bottle itself, plus the plastic by-products of moil, tail, and handle flash where applicable. The above mentioned equipment will trim and separate the plastic

bottles from all the plastic by-products. The plastic moils, tails, and handle flash will automatically convey to a material grinder, then be ground up to the correct size. This regrind material will then be automatically proportioned and fed via vacuum back into each machines material feeding system. At that point, the regrind and virgin plastic materials will become one and then processed to make new bottles. This process then repeats on a continuous basis.

Project Results

This investment has yielded over 930,000 lbs. of additional resin savings per year vs. the original performance target.

The cost of resin has been very volatile over the last 18 months. The project has allowed Cortland Plastics to take approximately 30 percent of by-product scrap and re-use it, saving 930,000 lbs of plastic per year for the two machines the machinery was installed on vs. the project targeted savings of 200 tons per year (TPY). This results in 465 TPY recycled for just these two machines. While some of these bottles result in a higher amount of scrap than others, the overall average for scrap from all machines runs about 30 percent. The result of recycling scrap from all machines has a huge impact on the company's cost of resin purchased thereby allowing them to be more competitive in the market. In addition, it has resulted in the reduction of colorant needed due to the colorant in the regrind, as well as fewer dumpster fees, for additional savings.

All the scrap recovery systems are working beyond expectation and Cortland Plastics is now quoting at 3 percent scrap values vs. the original more than 30 percent scrap values prior to the project undertaking.

Contractor:	Cortland County Business Development Corp.	NYS EIP Investment:	\$ 69,000.00
County:	Cortland	Contractor Match:	\$167,788.38
ESD Region:	Central	Total:	\$236,788.38
ESD Contact:	518/292-5340	Completion Date:	March 2010