

# Carrier Plastics

Auburn, NY

## Background

Carrier Plastics is located in Central New York and was established in 1982. It has grown into a state-of-the-art design, custom blow molding and custom injection molding facility. They specialize in custom product design, injection molding, extrusion blow molding, and injection stretch blow molding.

## Objectives

Carrier Plastics was looking to upgrade their injection molding machines with newer, higher-capacity, less energy-intensive units.

## Recommendations/ Process Improvements

NYSERDA's technical reviewer, CDH Energy, worked with Carrier Plastics to calculate the energy savings for implementing the new machines. CDH Energy logged the energy use of the old and new machines and worked with Carrier personnel to determine the production rates of the machines. Energy use per 1,000 parts was calculated for each type of machine.

## Incentives/Savings/Results

Over the course of 2011, Carrier Plastics installed five new machines in three separate phases. Each phase retired an older style machine and installed newer, more efficient machines. In total, Carrier Plastics saved 618,900 kWh/year with their machine upgrades, and received a NYSERDA Industrial and Process Efficiency incentive of \$74,268.



To find out how you can reduce your energy consumption and costs, visit [NYSERDA.NY.GOV](http://NYSERDA.NY.GOV).

