

2009 Pollution Prevention Governor's Award

Southeastern Container Inc., Hudson Branch

Southeastern Container Inc. (SEC) is a high-volume manufacturer of plastic containers for the Coca-Cola bottling system. SEC is receiving the granite award for its Plant Environmental Program (PEP). PEP is a pilot global Corporate Sustainability Program that is tasked with shaping the overall corporate strategy for sustainability programs for the other nine SEC facilities nationwide.

SEC implemented 10 Projects to for Plant Environmental Program

- Reduced the volume of greenhouse gases emitted into the atmosphere, by installing energy efficient compressed air dryers and re-engineering the circuits to include a PLC/operator interface, making the T-5 lighting system more efficient.
- Participates in ISO-New England's Demand Response Program, which sheds electric load when requested. The purpose of this program is to prevent the need to build more generation facilities in New England.
- Purchases 50 percent of the plant's electricity from "green" renewable generation resources effective July 2009.
- Designed a state of the art energy use monitoring technology to track and trend the electric, natural gas, water and sewer use to reduce demand in real-time.
- Installed programmable thermostats to more efficiently control office heating and cooling cycles.
- Installed waterless urinals to reduce domestic water consumption and sewer use.
- Purchased a reconditioned baler to better compact recycled materials, reducing the number of shipments to recycling partners. This also allowed SEC to obtain better market pricing.
- Held a plant energy and recycling fair to educate employees about to the merits of sustainability both at work and at home.
- Continued reduction of the gram weight of individual containers to minimize the amount of plastic needed to make each container, reducing demand for raw materials (from 19.5-13.0 grams).
- Designed and installed a proprietary monitoring system that tracks and trends compressed air pressures and can limit the number of compressors starting up at the same time thereby saving energy and eliminating power peaks.

Raw Materials: 385,000 lbs of PET saved from producing thinner bottles.
Air Emissions Reduction: 2,419,358 lbs CO₂; 4,063 lbs SO₂; and 1,498 lbs NO_x per year
Energy Saved: 206,609 kWh/year
Water Reduced: 153,000 gallons
Cost Savings/Year: \$71,017



From Left to Right:

Jamie Lawrence, Administrative Assistant and Corporate Sustainability Team Member; Carolyn Duran, Plant Recycling Team Member; Neil Luton, Operations Manager and Plant Recycling Team Chair; NHDES Commissioner Thomas Burack; Governor John Lynch; John Fischer, General Manager and Corporate Sustainability Team Chair; Robert Gaudet, Quality Assurance Manager; Shari Walton, Administrative Coordinator; Steven Rodonis, Maintenance Team Coach; and Stephen Flood, Shipping Team Coach

Southeastern Container was a 2007 Honorable Mention and 2008 Governor's Award winner through their implementation of a new energy-efficient heating, ventilating, and air conditioning system to replace an aged existing system.

Honorable Mention

BAE Systems Information and Electronic Systems Integration Inc. - Nashua

- BAE Systems is a global company engaged in the development, delivery and support of advanced defense, security and aerospace systems. It is the third largest global defense company in the world.
- BAE Systems manufactures military electronic systems, circuit boards and associated support equipment. BAE Systems Nashua facility (NCA) spent several years eliminating and replacing more than 24 once-through cooling water systems, including HVAC equipment, test chambers and ovens. These systems that used city water for cooling and discharged to the Nashua River were eliminated and replaced with individual air-cooled systems or connected to the closed loop chiller system, resulting in a water use reduction of approximately 40 million gallons per year.
- Implementation of this project also helped to improve the water quality of the Nashua River.
- BAE is a member of the EPA National Environmental Performance Track and is ISO 14001 certified.



From left to right: NHDES Commissioner Tom Burack; Governor John Lynch; Ed Gagnon and Anne Gagnon from BAE Systems.

The project outlined in its application showed 45.5 million gallons of water saved a year. It also saved about \$522,000 through its water and energy reduction projects.

Hitachi Cable - Manchester

- Hitachi Cable Manchester Inc. (HCM) manufactures copper cable, fiber optic cable, electronic round cable, electronic ribbon cable and custom cable.
- Though HCM identified 21 environmental initiatives at its plant, the two that it focused on for the award application were methyl ethyl ketone (MEK) and solid waste reduction.
- HCM reduced its MEK by:
 - o Identifying a safer and more environmentally friendly ink to print on their cable during the manufacturing process.
 - o Reducing the amount of MEK purchased for a cleaning solvent and thinner.
 - o Reclaiming MEK from the waste material stream.
- HCM officially established a green team in 2008 after many different departments implemented their own environmental projects. The company wanted to make one cohesive group of people in charge of the projects throughout the facility in order to make its environmental initiatives company-wide. The series of projects included paper recycling and finding a recycling vendor for the polyethylene scrap. Landfill waste was reduced by 13,840 lbs. with the paper recycling alone.



From Left to Right:

Don Falkowski, Purchasing Manager; NHDES Commissioner Thomas Burack; Governor John Lynch; Ted Minami, President; Henry Fish, Traffic Supervisor; Steve Kenney, Marketing Manager; Lynne Humenik, Executive VP; Mohamed Ahmed, 3rd Shift Supervisor; and Al Stigler, Extrusion Operator

Since 2006, HCM has reduced solid waste by 1,335,580 lbs.; hazardous waste (MEK) by 2,310 lbs.; air emissions by 2,405 lbs.; energy by 559,000 kWh; paper by 20,000 sheets and water by 1,848,000 gallons. Approximate savings after purchases were \$42,900.