



## Dion Label

BUSINESS  
Specialty Printing

TOWN  
Westfield

PROJECT:  
HVAC and Process  
Improvements

TOTAL PROJECT COST  
\$54,193

COST SAVINGS  
\$9,899

SIMPLE PAYBACK  
5.5 years

Dion Label Printing Inc. is a family owned company specializing in printing pressure sensitive labels, tags, shrink sleeves, tickets, and specialty elements for multiple industries. Their interior climate control needs are very specific to the printing processes being performed in different locations throughout the facility. As a result, a number of mechanical systems are in place to control heating, cooling, ventilation, and humidification.

### TECHNICAL ANALYSIS

The Westfield Green Opportunity (GO) team conducted a detailed audit of Dion Label in August 2011. The primary recommendation was the replacement of the existing steam humidification system with a new high-pressure system. Additional efficiency measures were also identified, including the redirection of waste heat from the printing process to the warehouse for heating.

Energy Efficiency Measure	Electricity Saved (kWh/year)	Gas Saved (therms / year)	Demand Savings (kW)	Cost Savings (\$/year)	Cost of Installation (\$)	Simple Payback (years)
Humidification System	67,519		7.5	\$7,787	\$31,693	4.1
Lighting Improvements	11,092	-	2.4	\$1,333	\$7,500	5.6
Waste Heat Recovery	-	1,716	-	\$1,922	\$15,000	7.8
<b>Total</b>	<b>68,223</b>	<b>1,716</b>	<b>9.9</b>	<b>\$9,899</b>	<b>\$54,193</b>	<b>5.5</b>

### INCENTIVE CALCULATION:

Westfield's GO program is designed to offer incentives up to 50% of the project's costs, with an incentive cap of \$50,000. The incentive payment cannot reduce the project below a one-year payback. A detailed facility audit of Dion Label quantified the savings of both complex climate control system improvements as well as a planned plant expansion with increased loads and new equipment. Dion implemented two of the three projects recommended in their audit, the humidification and waste heat recovery projects. They received an incentive of \$17,978.

