



## Stripco

**Customer:**  
Stripco Inc.

**Location:**  
Mishawaka, Indiana



### Plant Description:

Manufacturer of production-ready steel coils and strips. The company produces hot rolled, hot rolled pickled and oiled, precision cold rolled and galvanized steel products in thickness from .018 to .312 and widths from .375 to 26.000.

### CHP Application:

The CHP system generates electricity for use throughout the building. The site maximizes the use of recovered heat energy from the microturbine by replacing a large portion of the current electrical heating requirements to maintain the temperature of the process oils used during production, providing space heat in the plant, warming the used oil recovery system, and supplying hot water for a clean and safe work environment. In normal operating conditions, the turbine output is controlled to maintain the proper heating loop temperature. In the event of an extended electrical grid power failure, the microturbine will provide power to the administration building and critical stations in the mill.

### Major Equipment:

- (1) 60 kW Capstone Microturbine
- (1) Unifin Heat Exchanger
- (1) Copeland Gas Booster (77 psi)
- (1) Thermal Priority Control System
- (1) Emergency Electrical Back-Up System

### Benefits:

Stripco Inc. calculates savings of approximately 10 percent in electrical costs and a decrease of 3 1/2 percent in prorated annual energy costs adjusting for increased loads added to the system. By adopting this innovative technology, Stripco has increased safety conditions and is producing a higher quality finished product. The thermal recovery time of the process oils is greatly reduced as a function of the increased thermal mass. This helps Stripco to maintain the exacting tolerances required by their customers. CHP systems help the environment through reduced emissions of climate changing pollutants. Employee comfort is improved by delivering space heating to the employee's work areas. Emergency power enables the plant to provide sales and services to customers even when the utility grid is down.