



Environmental Stewardship Program

Metaldyne BSM LLC

Success Story

Energy and Hazardous Waste Reduction

Background

Metaldyne BSM (Balanced Shaft Modules) is located in Fremont, IN (Steuben County) and employs 133 Hoosiers. Globally, Metaldyne employs over 4,000 employees working in 13 countries at 25 facilities. Corporately, Metaldyne's product family includes engines, transmissions, and driveline products in the automotive industry.

Metaldyne's operating divisions in the powertrain applications consist of sintered, drivetrain, forged, and vibration control systems. The Fremont facility is known as the, "center for machining and assembly excellence," producing balance shaft modules as part of the vibration control system division. Metaldyne has been an Environmental Stewardship Program (ESP) member since September 2010, and is ISO14001 certified.

"Not only does being a member of the ESP mean that we think about and develop ways to protect our environment as a company, but we also to take it a step further and apply what we are learning to our personal lives. For example, by investigating and eliminating aerosol products from our facility, we also learned that we have choices in the products we purchase, and are wiser consumers with residential application of some of the same products we have eliminated at work," said Julie Carmichael, Fremont Operations.

Through participation in ESP, Metaldyne BSM has benefitted by receiving visits and free technical assistance from the Indiana Department of Environmental Management. Metaldyne also benefits from the informative networking opportunities available to learn about best management practices from other Indiana businesses across the state.

Project Implementation

Metaldyne BSM installed T8 light fixtures throughout the facility and made improvements to compressed air equipment in the plant.

In addition to energy reduction projects, Metaldyne BSM eliminated the use of aerosol propelled products and changed the disposal method of absorbents from landfill to "waste to energy."

Results

Replacing the T8 fixtures throughout the facility reduced overall electrical consumption by 738,679 kWh/year. Improvements to the compressed air equipment reduced noise levels by 1.2 dba to 6.5 dba.

Eliminating the use of aerosol propelled products and "waste to energy" eliminated 150 gallons of hazardous waste and decreased the amount of landfill material by 4,895 tons.



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Cost Savings

The installation of T8 light fixtures resulted in a saving of \$36,540 and improvements to the compressed air system resulted in an \$11,000 savings.

Eliminating the use of aerosol propelled products and switching to “waste to energy” instead of landfill material saves Metaldyne \$31,389.

Facility Contact

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