



# CONGRATULATIONS

*to the following companies who were recognized for  
their pollution prevention efforts during the  
2013 Pollution Prevention Awards Luncheon!*

## *P2 Award Recipients*

Owens Corning Systems, LLC Kansas City Plant  
SPX Cooling Technologies, Inc.

## *Honorable Mention*

General Motors Fairfax Assembly Plant  
McDonald's of Ottawa  
Eaton Corporations – Hydraulics Division  
CST Storage

## *P2 Award Recipient*

### *Owens Corning Systems, LLC Kansas City Plant*

Owens Corning Systems, LLC Kansas City Plant, Kansas City, is a manufacturer of building products. The Kansas City plant is being awarded for its efforts to reduce pollution, and conserve energy and water. The OC Kansas City plant converted the fiberglass wool manufacturing facility from a phenolic/formaldehyde binding process to a natural, starch-based process. The substitution eliminated or significantly reduced generation of air pollutants including ammonia (114 tons/year, 99.8%), formaldehyde (28 tons/year, 95%), methanol (15 tons/year, 99%) and phenol (22 tons/year, 99.9%). From 2010 to 2012, energy conservation measures resulted in a savings of 22,200 MWh annually and water conservation projects reduced water use by 73% (in addition to a 53% reduction from a 2008 project). These improvements reduced the environmental footprint of the Kansas City manufacturing plant, consistent with the sustainability strategy initiated by the company.



L-R: Guy Balistreri, Brad Casemier, Charles Brumbaugh, Dayle Kinne, John Mitchell (KDHE), Nico Armstrong

## *P2 Award Recipient*

### *SPX Cooling Technologies, Inc.*

SPX Cooling Technologies, Inc., Olathe, is a cooling tower and air-cooled condenser manufacturer. SPX is being awarded for its efforts in reducing toxics, waste, and air emissions, and for energy conservation. SPX reduced lead use by redesigning their fan blades. The new blades (designed for manufacturing and assembly in the U.S.) require less weight for balancing, as well as the ability to use HMG steel weights. Purchased amounts of lead were reduced by 35.3%, approximately 1,300 lbs/year. The purchase of a tie-rod decoiler enabled SPX to decrease their metal scrap from 35-50% to 5-6% (\$75,000/year). SPX also installed three new energy efficient boiler systems, saving an estimated 2,033 MMBtu (\$16,000/year). A lighting replacement project resulted in 435,000 annual kWh savings (\$33,000).



L – R: Paula Hinnen, John Mitchell (KDHE), Howard Rinne, Sherri Stubblefield



## *Honorable Mention*

### *General Motors Fairfax Assembly Plant*



L – R: Kevin Brown, John Mitchell (KDHE)

General Motors Fairfax Assembly Plant, Kansas City, assembles the Chevrolet Malibu and Buick Lacrosse. General Motors is receiving honorable mention for its efforts in the reduction of energy use and air emissions. General Motors reduced the number of air supply houses (ASH) in operation, rebalanced their ASH system, updated controls, and added a weather station. This reduced the amount of treated outside air and associated power requirements. The project reduced annual electricity use by 17,047,000 MWh (\$1,338,000), natural gas use by 79,500 MCF (\$476,000), and metric tons of CO<sub>2</sub> emissions by 4,300.

### *McDonald's of Ottawa*

McDonald's of Ottawa, Ottawa, is a food service retailer. McDonald's is receiving honorable mention for its efforts in energy conservation. McDonald's of Ottawa installed a series of line conditioners (V-Blocks), added "smart cool" units to control the HVAC roof units, and upgraded lighting throughout the restaurant. These projects resulted in an estimated reduction of 46 tons of CO<sub>2</sub> emissions annually. Energy required for lighting was reduced by 50%.



L – R: John Mitchell (KDHE), Hugh O'Reilly, Jr.

## *Honorable Mention*

### *Eaton Corporations – Hydraulics Division*



L – R: Monte Long, John Mitchell (KDHE), Caleb

Eaton Corporations – Hydraulics Division, Hutchinson, is an internal supplier of machined components for Pump Valve E (PVE) series and medium duty piston pumps and gear pumps. Eaton Corporation is receiving honorable mention for its efforts in reducing air emissions and energy conservation. Eaton Corporation's compressed air project involved checking and fixing existing air leaks throughout the 338,000 square foot plant, installation of a new variable speed compressor, dryer, flow controller and zero loss drains. This project will result in an annual savings of 1,083,000 kwh of electricity (\$102,000).

### *CST Storage*

CST Storage, Parsons, is a provider of modular, factory coated bolted storage tanks for dry bulk and liquid applications in municipal, industrial and agricultural markets. CST is receiving honorable mention for its efforts in waste reduction and reducing air emissions. CST upgraded their solvent distiller resulting in a decrease of waste by 1.4 tons. Because the new distiller is reclaiming twice as much reusable solvent, a savings of 7.8 tons in raw material is realized annually. CST also updated their paint booth filter schedule which reduced the amount of waste generated by 8.04 tons annually. An air leak detection audit detected 13 leaks. The elimination of the compressor leaks saved 55,000 kWh of energy (\$4,400) annually and the elimination of a welding gas leak saved 1,329,000 cubic feet of material (\$30,300).



L – R: Matt Kuhel, John Mitchell (KDHE), Tiffany Jarman

*Congratulations to the 2013 P2 award recipients! Learn more about these projects and the Pollution Prevention Awards by visiting [http://www.kdheks.gov/sbcs/p2\\_pollution\\_prevention\\_awards.html](http://www.kdheks.gov/sbcs/p2_pollution_prevention_awards.html).*