

2011 Governor's Awards Recipients

Each year, the Governor's Awards for Environmental Excellence recognize Indiana's businesses, nonprofits, private institutions, and governmental institutions that demonstrate commitment to waste and pollution prevention, source reduction, and resource conservation.

The 2011 winners excelled in preventing pollution in a variety of ways and focused on preventing, reducing, and reusing through innovative and creative strategies.

Awards were given in the following six categories:

- Pollution Prevention
- Five Years Continuous Improvement
- Energy/Renewable Resources
- Outreach or Education
- Greening the Government
- Recycling/Reuse

Pollution Prevention Category

NTN Driveshaft, Inc.

NTN Driveshaft of Columbus, Indiana engineered a water recovery process for oily water and floor soap, which was implemented in January 2010. Previously, this water was discharged to the local utilities to be treated or hauled off-site to be treated for disposal. Now, oily water is collected and run through a separator, then transferred to a treatment tank, where any remaining oil or impurities are removed. Almost 90 to 95% of the original volume of water remains and is now sent through the onsite wastewater treatment plant and then reused. NTN also operates a floor soap recycling center, where the company recovers all of the used floor soap and then cleans it and reuses it repeatedly. These efforts have saved over 8000 gallons of diesel fuel, which equates to 88.19 tons of CO2 emissions annually, and have resulted in the reuse of 500,000 gallons of water.

Barry Parkhurst, Vice President of Administration, accepted the award on behalf of NTN Driveshaft, Inc.

Five Years of Continuous Improvement Category

General Motors LLC, Fort Wayne Assembly

General Motors LLC, Fort Wayne Assembly (FWA) has been certified to the ISO 14001 Environmental Management System (EMS) standard since 2001 and has been successful in engaging all areas of the plant as part of the continual improvement process. Examples

of improvements that have been made as a result of the EMS include the use of landfill gas to supplement natural gas as fuel for one of the powerhouse boilers.

The facility also works with a Jay County landfill, which utilizes wastewater treatment sludge and paint sludge generated at FWA as alternative daily landfill cover. Some key results from the last five years include:

- reducing electricity, natural gas, and water usage for each vehicle produced by 36%, 21%, and 20%, respectively;
- a 72% increase in cardboard recycling;
- a 73% increase in plastic recycling; and,
- a reduction in the number of chemical products requiring MSDS from over 3600 to just over 700.

George Kioultzopoulos and Mark Kaszowski accepted the award on behalf of General Motors LLC, Fort Wayne Assembly.

Sony DADC - Terre Haute

Sony Digital Audio Disc Corporation (DADC) has had an ISO 14001 EMS in place since 2000, which has been instrumental in incorporating environmental principles into everyday production. Goals are established in 5 year increments, with the overall goal being to have "zero environmental footprint" by 2050. The facility's CO2 reduction efforts have been focused around 6 main areas of interest: procedure, process, HVAC, lighting, insulation, and facilities. Waste reduction has focused on re-use and closed loop recycling, while chemical use reductions have focused mainly on alternative materials and procedural changes.

The plant has achieved:

- a 34% reduction in tons of CO2 emitted;
- a 27% reduction in waste, due in large part to a 97% recycling rate;
- the collection of about 8.2 million gallons of water for reuse from the reverse osmosis system; and,
- the collection of 2.2 million gallons of condensate for reuse from HVAC air handlers since August 2009.

Tony New and Kelly Yochum accepted the award on behalf of Sony DADC.

Toyota Industrial Equipment Manufacturing, Inc.

Toyota Industrial Equipment Manufacturing, Inc. (TIEM) has had an EMS based on all of the principles of ISO 14001 in place since 2004. The facility's environmental policies and progress are reviewed quarterly and pertinent environmental management programs are

updated with the addition of new environmental management programs annually. Some of the changes that made include:

- reformulating paints and solvents;
- improving transfer efficiencies;
- improving maintenance of and annually calibrating water flow monitors on high water usage equipment; and,
- reducing and more closely monitoring watering of lawns.

Achievements have included:

- volatile organic compound emissions reduced by 55.5%;
- hazardous air pollutant emissions reduced by 34.5%;
- non-hazardous waste reduced by 62%; hazardous waste reduced by 21.6%; and,
- water usage reduced by 24.2%.

Tim Barker, Vice President of Human Resources, and Tim Hollkamp, Manager of Human Resources, accepted the award on behalf of Toyota Industrial Equipment Mfg., Inc.

Energy/Renewable Resources Category

Noblesville High School

Noblesville High School, originally constructed in 1996, implemented a guaranteed energy saving project in 2004 as a result of concerns about the large amount of energy that the school's 500,000 square foot building was consuming, elevated humidity levels, classroom noise issues, and extreme temperature variances throughout the building. Initial energy savings were achieved through the installation of energy efficient equipment. These improvements were then integrated with an energy management system. The school's utility bills have consistently decreased each year since the plan was implemented. Natural gas usage has decreased by 50% and the school has seen an overall energy use reduced by 44% over 5 years.

Bruce Games, Tim Sturgeon, and Jeff Bragg accepted the award on behalf of Noblesville High School.

Outreach or Education Category

Carmel Green Teen Micro-Grant Program

The Carmel Green Teen Micro-Grant Program awards grants to youth-led environmental projects. It was created and developed by, and is administered by, teenagers. Projects funded by the program so far include tree plantings and the creation, and promotion of, a no idling zone at a local school. The program is community-focused; students and young

people are involved in the projects and teachers, parents, and relatives are informed about the program's success and encouraged to become involved. Through the program:

- more than 280 students have participated directly in funded projects;
- more than 90,000 dollars have been saved annually for the citizens of Carmel; and,
- approximately 1000 tons of CO2 have been prevented from being released each year.

Lauren Gibson accepted the award on behalf of Carmel Green Teen Micro-Grant Program.

City Of Hobart, The School City Of Hobart, And The Lake County Solid Waste Management District

Hobart Recycles! is a joint effort between the City of Hobart, the School City of Hobart, and the Lake County Solid Waste Management District that was established to increase the curbside recycling rate in Hobart, Indiana. The three organizations partnered to form a Green Team, which participated in a variety of education and outreach programs, and designed and put into action a new recycling campaign, with the goals of increasing the percentage of Hobart households participating in curbside recycling and having the city become a recycling leader in Lake county.

As a result these efforts, the percentage of households participating in curbside recycling grew from 45 percent to 82 percent. Coupled with an increased use of drop-off recycling centers, an estimated 75 percent of residents are currently taking advantage of the city's recycling opportunities, with the participation rate projected to exceed 90 percent this year.

Hobart Mayor Brian Snedecor, Sarah Austin, Kristin Sheets, Angela Petyko, and John Dubach accepted the award on behalf of the City of Hobart, the School City of Hobart, and the Lake County Solid Waste Management District.

Greening the Government Category

City Of Muncie/Muncie Sanitary District

The City of Muncie and the Muncie Sanitary District resolved to reform business practices in Muncie through a project dedicated to the overall improvement of city functions with regard to the environment. Changes have included:

- the retrofitting of conventional traffic lights with LEDs;
- the de-icing of city streets with a mixture of a beet juice saline solution and traditional road salt;
- rain garden installation; and,
- the oversight of White River cleanup projects.

Projects have included:

- heating the city's sanitation garage with a waste oil heater, which uses motor oil donated by the community;
- switching from traditional road salt to a mixture of beet juice saline solution and traditional road salt for winter time de-icing;
- installing storm sewers and vegetative swales to alleviate chronic ponding problems in local neighborhoods; and,
- overseeing White River cleanups.

Muncie Mayor Sharon McShurley and Shareen Wagley accepted the award on behalf of City of Muncie/Muncie Sanitary District.

Recycling/Reuse Category

No-Sag Products

In 2010, No-Sag significantly increased its efforts to be more environmentally responsible after volunteering to be one of the first furniture accessory manufacturers in the State of Indiana to become Enhancing Furniture's Environmental Culture registered. Examples of efforts that have proven successful in saving both resources and money include replacing existing light bulbs with more energy efficient T8 bulbs; re-sizing the tempering oven to reduce gas usage; reusing furniture stretch wrap rolls and caps; and color-coordinating special sized pallets and setting up a return/reuse program with most of their top customers. Examples of the facility's achievements include:

- a 75% reduction in trash pickups;
- re-sizing the tempering oven to reduce gas usage;
- reusing furniture stretch wrap rolls and caps;
- donating wood shavings for use as animal bedding; and,
- positively impacting employees, who are recycling more at home.

Russ Dunton, Branch Manager, and Jason Maneke, and Human Resources Manager, accepted the award on behalf of No-Sag Products.

Purdue University, Physical Facilities

Purdue University, Physical Facilities in West Lafayette runs a recycling program specifically aimed at increasing the amount of waste that is recycled in the campus's offices, classrooms, and public spaces. Between August 2009 and September 2010, the university set out to make trash inconvenient by decreasing the number of trash containers, while simultaneously increasing the number of recycling containers, located throughout campus. Their innovative waste-to-energy treatment system is unique and nationally distinguishes the University's recycling program.

Results include:

- 77% recycling rate for the 2010-2011 school year (an increase of 28% since the 2008-2009 school year);
- over 8700 tons of materials diverted from the waste stream in 2010; and,
- 4 tons of food waste captured & diverted each month to the local wastewater treatment plant, which uses it to generate methane.

Bob McMains, Vice President of Physical Facilities, accepted the award on behalf of Purdue University Physical Facilities.