

2015 ILLINOIS GOVERNOR'S SUSTAINABILITY AWARDS



October 27, 2015
Sheraton Hotel & Towers
Chicago, IL



**ILLINOIS SUSTAINABLE
TECHNOLOGY CENTER**
PRAIRIE RESEARCH INSTITUTE

Governor's Sustainability Awards

The Illinois Sustainable Technology Center (ISTC) and the Office of the Governor are honoring nineteen Illinois companies and organizations this year for their significant achievements in energy efficiency, waste reduction, pollution prevention and environmental programming.

Since 1987, the Illinois Sustainable Technology Center, a division of the Prairie Research Institute at the University of Illinois at Urbana-Champaign, has presented Governor's Awards to organizations in Illinois that have demonstrated a commitment to environmental excellence through outstanding and innovative sustainability practices. Any Illinois public or private organization is eligible to apply for an award. Winners are selected through a rigorous process of review and examination by ISTC technical assistance experts.

Governor's Sustainability Award winners are an elite group of committed leaders reducing environmental impact, contributing to the growth of a more sustainable Illinois economy. By prioritizing sustainability throughout their operations, programs, technology, products and company culture, they serve as a model within their industry and community.

"The linkage between sustainable policies and success in our businesses, our organizations and our communities have never been stronger. We are proud to call attention to these champions of sustainability who help lead the way by improving our quality of life through their responsible stewardship of people, profit and planet."
Kevin C. O'Brien, Ph.D., ISTC Director

2015 Illinois Governor's Sustainability Awards

Presented by:
Illinois Sustainable Technology Center (ISTC)
Prairie Research Institute (PRI)
University of Illinois at Urbana-Champaign

Technical Symposium

8:30 **Continental Breakfast & Registration**

9:00 **Shaping the Future of Sustainable Production**

- Kate Zerrenner – Climate and Energy Project Manager, Environmental Defense Fund
- Kyle Kietzmann – Co-Owner and COO, Bell Racing USA LLC
- Barb Daly – Facilities and Quality Assurance Manager, Testa Produce

10:15 **Exhibitor/Coffee Break**

10:45 **Panel - Where are they now? Past Award Winners Progressing on the Sustainability Journey**

Moderator: Debra Jacobson – Senior Operations Manager, ISTC

- Dan Scales – Manager, EHS & Sustainability, NOW Foods
- Steven Rundell – President, Solvent Systems International, Inc.
- Chris Perzan – Director of Environmental and Energy Affairs, Navistar, Inc.

11:45 **Exhibitor/Coffee Break**

Awards Ceremony

12:00 **Luncheon**

1:00 **Keynote Address** – Reshoring: A Key to Environmental and Economic Corporate Sustainability
Harry Moser – Founder and President, The Reshoring Initiative

1:40 **Remarks**

Kevin O'Brien – Director, ISTC
Mark Ryan – Executive Director, PRI
Governor Bruce Rauner (Invited)

Moderator: Richard Winkel – Director, University of Illinois Institute of Government & Public Affairs, Office of Public Leadership

2:00 **Presentation of the Sustainability Awards**

Kevin O'Brien – Director, ISTC
Governor Bruce Rauner

Awards Presentation Moderator:
Cassie Carroll – Associate Sustainability Specialist, ISTC

3:00 **Adjourn: Photo Session & Networking**

SPEAKER BIOS



Barbara Daly is the Quality Assurance and Facility Manager at Testa Produce, Inc. Working for Testa Produce for 9 ½ years, Barbara helped in the research and building process for Testa's LEED® Platinum facility unveiled in 2011.

A transplant from California, her previous experience includes Director of Purchasing for Hilton, Hyatt and the Moscone Convention Center. Barbara has over 30 years of experience in the hospitality and restaurant industry.



Kyle Kietzmann is the co-owner of Bell Racing USA LLC and Head Protection Technologies LLC. Kietzmann is the President and Chief Operating Officer of Bell Racing USA LLC, the world's premier auto racing helmet company. Bell Racing

specializes in designing, developing, manufacturing and distributing auto racing helmets to professional and amateur drivers competing in the sport of auto racing. Bell Helmets have been worn and trusted by more champions than any other helmet brand.

Kyle also serves as the Chief Operating Officer of Head Protection Technologies LLC which specializes in the development, manufacturing and distribution of non-auto racing helmets and other industrial head protection products.

He has a Bachelor's Degree in Marketing from Illinois State University, a Master's Degree in Business Administration from Olivet Nazarene University and is a member of the International Council of Motorsport Sciences.



Harry Moser founded the Reshoring Initiative to bring manufacturing jobs back to the U.S. by documenting and promoting the trend and encouraging the use of Total Cost of Ownership analysis. He previously worked for Lincolnshire based GF Machining Solutions, starting as President in 1985 and retiring 12/31/10 as Chairman Emeritus. Largely due to the success of the Reshoring Initiative, Harry was inducted into the Industry Week Manufacturing Hall of Fame 2010 and was named Quality Magazine's Quality Professional of the year for 2012. Harry participated actively in President Obama's 1/11/12 Insourcing Forum at the White House, won the January 2013 The Economist debate on outsourcing and offshoring, and received the Manufacturing Leadership Council's Industry Advocacy Award in 2014. He received a BS in ME and an MS in Engineering at MIT in 1967 and an MBA from U. of Chicago in 1981.



Chris Perzan is Director of Environmental and Energy Affairs and Sr. Counsel at Navistar, Inc., a global manufacturer of trucks and engines based in Lisle. He is responsible for the group overseeing environmental compliance and energy reduction efforts at Navistar facilities and is also the principal environmental lawyer for Navistar. Prior to working at Navistar, he was an Assistant Attorney General in the Illinois Attorney General's Office in Chicago and Assistant Counsel at the Illinois EPA in Springfield. He is a graduate of Washington University School of Law in St. Louis and Knox College.



Steve Rundell is President of Solvent Systems International (SSI). Steve is a mechanical engineer by degree and is passionate about showing industry how being a better environmental citizen leads to significant business benefits.

Steve started Solvent Systems International in 1983 and SSI has been helping business of all types to better manage chemical usage and other environmental issues since. SSI has evolved since it's beginning to meet changing business needs while maintaining its goal to help business be better environmental stewards. SSI now manufactures biobased chemicals at its Elk Grove Village location. SSI is a two-time winner of the Illinois Governor's Sustainability Award and also the Chicago Innovation Award.



Dan Scoles, MPH, CSP, CHMM is a veteran in the Environmental & Occupational Health and Sustainability fields. He has worked in Private Industry, Manufacturing, Governmental, and Educational institutions for over

20 years promoting environmentally responsible business practices and safe work environments. Dan has a Master of Public Health degree from Benedictine University with emphases in Environmental and Occupation Health Administration, and a BS in Environmental Health Sciences from Illinois State University. He is a Certified Hazardous Materials Manager (CHMM) and a Certified Safety Professional (CSP). Dan's work has contributed to numerous environmental awards and recognitions for his employers, including the Illinois Governor's Sustainability Award 2008-2011. Dan is an Adjunct

Faculty member at the College of DuPage and teaches environmental studies courses in his spare time.



Kate Zerrenner is the Climate and Energy Project Manager, US Climate and Energy Program, Texas Regional Office, Environmental Defense Fund (EDF). Kate helps develop and implement strategies to promote energy and water efficiency and climate change solutions in Texas and leads EDF's multi-year campaign to influence and enact state and national energy and water efficiency policy, including breaking down financial, regulatory and behavioral barriers. She directs regional efforts to improve options for clean energy choices that create jobs, reduce climate change impacts, water intensity and air pollution. Her expertise includes a sound understanding of technologies and policies affecting traditional energy generation, energy efficiency business models, and the energy-water nexus. She serves on the City of Austin Integrated Water Resource Planning Community Task Force and the Advisory Board of the Smart Cities Council.

Prior to joining EDF, Kate worked at the U.S. Government Accountability Office; SAIC; and U.S. Department of Energy. She has also worked for the Texas Sunset Advisory Commission and the U.S. Commission on National Security/21st Century (Hart-Rudman Commission) at the U.S. Department of Defense. She holds a Master's degree in International Energy and Environmental Policy and Economics from the Johns Hopkins University's School of Advanced International Studies, a Master's in Comparative Politics from the University of Glasgow in Scotland, and a Bachelor's degree from the University of Texas.

A sincere thank you to our sponsors and their generous support of the Governor's Sustainability Awards. We truly appreciate your dedication to supporting the growth of a sustainable community within Illinois and beyond.

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Governor's Sustainability Award Winners

Abbott – Abbott Park

Previous Winner

Abbott helps people unlock all that life has to offer through the power of health. Founded by Chicago physician Dr. Wallace C. Abbott more than 125 years ago, Abbott is now one of the largest diversified global health care companies.

In Illinois, Abbott reduced energy and fuel use, and waste sent to landfill – while increasing the amount of waste that was recycled or reused. They saved energy through improvements to HVAC systems and upgrades to boilers and cooling tower water pumps. They also switched from coal to natural gas, a less carbon-intensive fuel.

Combined, these projects provided annual reductions of approximately 7 million kWh of electricity and 120,000 therms of natural gas. These changes helped drive plant operating costs down, while reducing Abbott's carbon footprint by approximately 25,000 metric tons of CO₂e. Since 2013, waste sent to landfill in Illinois is down 32 percent, and recycling is up 43 percent.

AbbVie Inc. – North Chicago

Previous Winner

AbbVie is a global, research-based biopharmaceutical company that markets medicines in more than 170 countries. The company's mission is to use its expertise, dedicated people and unique innovative approaches

to develop and market advanced therapies that address some of the world's most complex and serious diseases. AbbVie employs approximately 7,000 people in Illinois and 26,000 worldwide.

AbbVie's environmental stewardship initiatives help to build a strong organization that focuses not only on improved efficiencies and cost reduction, but on sustainable approaches to pharmaceutical manufacturing. AbbVie works diligently to ensure minimal environmental impacts by recognizing three key environmental priorities: Climate Change, Water Usage, Waste Management and Product Stewardship.

Projects completed at Lake County facilities established new systems to reduce waste generated in manufacturing and recover solvent product; updated equipment to reach higher standards of energy efficiency; solved a quality assurance issue while reducing water consumption; and actively involved employees for an "All for One AbbVie" cause. Overall, the projects resulted in an annual reduction of 1,673,300 pounds of hazardous waste; 12,978,860 pounds of non-hazardous waste; 1,022,121 kWh of electricity; 724 metric tons of CO₂e, 11,000,000 gallons of water; and saved more than \$702,631.

Argonne National Laboratory – Lemont

Previous Winner

Argonne National Laboratory is a multidisciplinary science and engineering research center, where world-class researchers work to address national challenges in clean energy, environment, technology and national security.

Argonne is committed to minimizing its environmental footprint. The Sustainability and Environmental Program champions improvements which yield energy and water efficiency and reduce pollution, covering five areas: • Engagement; • Efficiency; • Pollution Prevention; • Clean Energy; and • Climate Change Resilience.

In FY14 Argonne met 14 of 24 sustainability goals, in some instances six years ahead of schedule. For example, potable water intensity dropped 36% below baseline, more than double the 14% FY14 goal. Energy intensity fell 30% below baseline, exceeding the 27% FY14 goal.

Argonne employs innovative funding solutions including Energy Savings Performance Contracts (ESPCs) and an Energy and Water Savings Reinvestment Program. These programs returned a savings of over \$2.4 million in FY14. A new \$25 million ESPC was awarded in FY14 by the U.S. Department of Energy (DOE) to construct a Combined Heat and Power (CHP) plant which will yield 35,000 MT of annual GHG emissions reductions.

In FY14 Argonne accomplished the following environmental milestones: • Established a Building Intelligence and Analytics program to develop next generation campus efficiencies. The program will integrate facility data with real-time monitoring to improve management and efficiencies of campus systems. • Reduced GHG emissions by capturing and recycling nearly 8,000 pounds of sulfur hexafluoride (SF₆). SF₆ is a potent greenhouse gas used as an anti-arcing agent in scientific experiments. One pound of

SF6 is equivalent to 11 tons of CO2. • Diverted 77% of waste from on-site construction projects to recycling or reuse. • Established a Site Stewardship Working Group to assess site climate change vulnerabilities and to coordinate campus efforts to manage natural areas.

Caterpillar – Morton Parts Distribution Center

Previous Winner

Caterpillar Parts Distribution provides world-class supply chain solutions and services to its parent company, Caterpillar Inc. Headquartered in Morton, Parts Distribution operates more than 30 distribution centers worldwide. Caterpillar Inc. and Parts Distribution put a large focus on sustainable development and “Sustainability” is specifically called out as one of their Core Values. Sustainability performance of operations is measured on a monthly basis and annual sustainability targets are set by corporate for each facility, including the Morton Distribution Center. Working toward their goals, the Morton Distribution Center implemented several energy, water, and waste reduction projects. A new coating process on the paint line significantly reduced corrosion and rework on parts stored outdoors, and with faster air-drying properties a 7,000 sq ft oven was shut down, saving 200,000 therms of natural gas annually. Recent improvements to heating systems, along with construction of insulated walls on the truck docks saved an additional 600,550 therms annually. Continuous upgrades to lighting systems, HVAC equipment, and repairs made to compressed air systems have realized over 1.1 million kWh savings annually. Improvements to cooling tower operation and lawn irrigation practices reduced annual

water consumption by 5.7 million gallons, and new composting programs reduced landfill waste by 35,000 pounds annually.

Clarke – St. Charles

Previous Winner

Clarke is a global environmental products and services company providing innovative solutions for mosquito abatement and the management of healthy water resources. Their mission is to make communities around the world more livable, safe and comfortable by pioneering and championing environmentally responsible products and business practices.

2014 marked a year of aspirations turned into action for Clarke, highlighted by the following projects: Renovation of 27,000 sq ft building to LEED Silver standards on a 4-acre site in St. Charles for its corporate and research operations. This included replacement of 225 existing fluorescent box lights with less than 100 high efficiency T5 daylight harvesting fluorescent fixtures and installation of daylight harvesting lighting system that reduce the amount of artificial lighting used on sunny days. 95% of all demolition waste was diverted from landfill. Removed carpet and ground and polished existing concrete, recycling 100% of the concrete grind into a local commercial cement mix. Utilized Interface carpet tiles (80% recycled content and 100% recyclable) for work and conference areas. Installed waste stations for recovering recyclable materials including paper, mixed recyclable, and compost (for on-site composting). Reused bathroom fixtures and updated with low flow devices. Converted 1.42 acres of turf grass into

native prairie. Produced 304 pounds of organic produce on site in employee maintained raised bed gardens. Established on-site compost corrals for food scraps, garden and landscape waste. Implemented a returnable/refillable packaging program for their Service Operation, reducing packaging from their intercompany supply chain and saving approximately \$3,000 in packaging costs. Established an Electric Car Sharing Program for employee carpooling avoiding 4.33 tons of Scope 3 carbon emissions.

ComEd – Oak Brook Terrace

Previous Winner

Commonwealth Edison (ComEd) is a division of Exelon Corporation, a publicly traded energy utility. ComEd delivers electric service to 3.8 million customers across 11,400 square miles of northern Illinois, to approximately 70% of the state's population.

ComEd is committed to continually improving environmental performance; preventing pollution; preserving, restoring and enhancing habitats and biodiversity; and actively seeking relevant partnerships. For ComEd, sustainability is reflected in their corporate environmental policy, it is part of their culture, business strategy, and a key component of how they are working to power all our lives for generations to come.

The ISO 14001 certified Environmental Management System (EMS) provides a structure and framework for driving sustainability, environmental performance and improvement. Since certification in 2008, more than 1,000 environmental actions and improvements have been completed as a direct result of the EMS program.

ComEd has continued to increase the sustainability portfolio through facility and process upgrades; reductions in hazardous waste; increases in recycling; protection of birds and endangered species; protection of natural areas; community partnerships; and greenhouse gas reductions.

ComEd has been recognized for their environmental efforts by many organizations in the last few years including the US EPA, US Fish & Wildlife Service, Chicago Wilderness, and Wildlife Habitat Council.

Cook County – Chicago

First Time Recipient

Cook County has adopted a data driven approach to Sustainability, with the aim of integrating sustainable programs and reduction of greenhouse gas emissions into the day to day operations of the County. County President Preckwinkle adopted an ambitious goal to reduce County greenhouse gas emissions by 80% by 2050 and in order to do so appointed a Green Leadership Team comprised of key leaders from across the County to implement sustainable practices.

With an initial focus on building energy and water conservation, the County has been able to decrease GHG emissions from buildings by 9% since 2010 through both large scale capital projects and smaller projects focused on individual building needs and updates. Waste reduction has been accomplished through a policy driven approach, focusing programs on areas where the most waste is generated, building and construction projects. Implementation of the

Demolition Debris Diversion Ordinance has resulted in the diversion of over 500,000 tons of waste from the landfill. The County is now moving on to quantifying the waste created through its own operations. Having established a baseline of waste and recycling in 2014, they are poised to undertake a systematic building by building analysis to determine where recycling rates can be increased. An in depth analysis of the fleet practices, including the number of vehicles, maintenance and purchase requirements and policies and procedures resulted in a complete restructuring of the fleet management at the county and has resulted in 57,849 gallons of fuel savings between 2012 and 2013.

As part of Cook County, the Sheriff's Recycling Program is operated as a program of the Office of Support Services, housed in the CCSO Warehouse which also handles centralized supply chain operation for the Cook County Sheriff's Office. The Sheriff's Recycling Program has four goals: to improve the environment, reduce waste hauling and related operational costs, provide on-the-job training to ex-offenders and generate revenue. The program has achieved meaningful results for each of these goals.

By comparison to the year it began (2008) when it recycled 302,452 pounds of recyclables, mostly paper, in 2014, the program collected more than 2.3 million pounds of recyclables ranging from paper to computer parts to mattresses. • In 2014, the program aided the larger Sheriff's Office and especially the Cook County Department of Corrections by reducing its waste by more than 25% thereby reducing landfills and saving scavenger service costs. • In 2014, 550 offenders performed community service and received training

in recycling. • In 2014, the program saved more than \$542,500 in scavenger services costs, generated more than \$100,000 in additional revenue.

Designated law enforcement and correctional officers team-up with offenders required to perform community service to deliver supplies and equipment and collect recyclables and salvage to over 150 facility locations, including the Department of Corrections and the various County Courthouses. The program also partners with other county agencies, municipalities and non-profits to assist their pharmaceutical destruction, record destruction and salvaging needs.

Golden State Foods Chicago – McCook

First Time Recipient

Golden State Foods (GSF) is one of the largest diversified suppliers to the quick service restaurant and retail industries. Established in 1947, GSF currently services more than 125,000 restaurants from its 45+ locations on five continents. With approximately 5,000 associates worldwide, GSF's core businesses include: processing and distribution of liquid products, meat products, produce, dairy, and other services for the total supply chain spectrum.

In 2014, GSF Chicago, a state-of-the-art distribution center, opened its doors, replacing its former location in Lemont. The new facility is a milestone in GSF's goals towards environmental sustainability and excellent customer service. GSF Chicago is a LEED Gold and an ISO 14001 certified facility that boasts several sustainable features including water conservation, reduced fuel consumption, and energy efficiency. For

example, the facility collects rainwater in a 40,000 gallon cistern to irrigate its native landscaping and uses reclaimed water to wash trucks. The facility is reducing its diesel consumption through the use of electric standby power and its onsite hydrogen generation plant powers the facility's material handling equipment. One of Golden State Foods' sustainability initiatives is to achieve zero waste to landfill by 2020. With the help of its Green Team, GSF Chicago is currently diverting 77% of its waste from landfill.

Griffith Laboratories – Alsip

First Time Recipient

Griffith Laboratories (GL) is a family owned, privately-held food company with global operations in more than 18 countries. Griffith employs over 350 people in Alsip and 2,800 people worldwide. Since before 2010, GL has been reporting sustainability achievements and documenting cost saving metrics on a global platform.

In 2013, GL launched its first Sustainability Framework which is separated into 18 subcategories, six within each segment of People, Planet, and Performance. Each subcategory provides direction and opportunities to launch activities that continually help Griffith become more sustainable.

In 2014, Sustainability officially became the foundation of their operating plan. Later that year, GL assembled a Global Sustainability Team and took major strides toward achieving goals and documenting success metrics. Activities were completed in all subcategories and focused on: • People - Employee Safety; Engaged Employees; and Community Involvement • Planet -

Solid Waste Reduction, Energy Efficiency, and Water Conservation • Performance - Griffith & Customer Growth; Company Investment; and Food Safety.

Combined, the sustainability projects provided annual reductions of approximately 146,000 kWh of electricity, 2,610,067 gallons of water, and waste reduction of 1,764,927 pounds.

Hoffer Plastics Corporation – South Elgin

First Time Recipient

Hoffer Plastics strives to drive excellence, create a healthy and safe work environment for staff, and be a leader within their industry. In 2007, Hoffer Plastics released its first Sustainability Report, documenting best practices in waste, water, and energy reduction and setting forth new goals for environmental performance improvements. In 2011, Hoffer strategically initiated a corporate goal to reduce its water usage. This initiative not only would have an impact on the environment, but would also help reduce the plant's overall energy usage. The goal was to implement a sustainable process which could reduce the water usage by 50% and with potential to reduce all water discharge from the plant. Hoffer Plastics implemented a non-regulated water treatment program to reduce hazardous chemicals in their chiller water systems, reducing 51,000 pounds of hazardous material from their facility. They have also reduced bleed off in this process and increased water efficiency, saving 1.2M gallons of water annually.

To reduce energy, Hoffer Plastics has changed all lighting to T5 and T8 bulbs and strategically placed

motion sensors throughout their facility. Additionally, variable frequency drive motors were installed on chilled water pumps, reducing 155.66 metric Tons of CO₂ and over \$11,000 in costs annually. They also implemented a compressed air project that replaced and optimized process equipment, saving about 1,400 metric tons of CO₂ and over \$100,000 in costs annually. Additionally, thermal blankets were added to their injection machine barrels to better hold in the energy used to heat the barrel and reduce cooling load in the facility.

Additionally, Hoffer Plastics has initiated a facility-wide recycling program. In 2010, 24M pounds of material was used in their manufacturing process and less than 1% of that manufacturing waste went to landfill. Hoffer Plastics is also involved in helping create standards within the plastics industry, serving as a leader and model for other plastics manufacturers in environmental sustainability. Through the support of Hoffer's Executive management team and input at all levels within the organization, Hoffer has been able to make great strides in meeting their sustainability goals.

Illinois Tollway – Downers Grove

First Time Recipient

The Illinois Tollway tasked the Project Team with the unique challenge of developing a "green" interchange so that a variety of sustainable concepts could be evaluated for incorporation into future designs. In a sense, the Illinois Route 47 Interchange was a "prototype" project, allowing the environmental benefits, economic benefits, and longer-term costs to be evaluated for these sustainable concepts. The

process of selecting sustainable concepts included screening a variety of design features, developing life cycle assessments (LCA) and assessing their feasibility.

Designing this interchange was an opportunity to apply a diverse array of sustainable concepts, and beyond that, the ongoing evaluation process gathered data on the benefits and challenges of maintaining such systems. Monitoring of energy usage and water quality in the storm water discharges provide data for performance evaluation and allow adaptive management of the sustainable practices. The practicability of green infrastructure, from concept to design to operation, is important so that designs can continue to be adapted and improved. Data from this site will be used to enhance future design elements of the Illinois Tollway's ongoing infrastructure improvement program.

The sustainable features installed resulted in a savings of 34,000 pounds of carbon dioxide (greenhouse gases) per year at this interchange, and monitoring of storm events has shown a significant reduction in suspended solids and heavy metals concentrations and corresponding improvement to water quality. This project provides the Tollway both a qualitative and quantitative assessment that demonstrates the implemented concepts achieve the desired goal of creating a "green" and sustainable interchange that will be a useful model to the Tollway for future projects.

J.L. Clark – Rockford

Previous Winner

J.L. Clark is a 110+ year old manufacturing company

that produces decorated metal tins and decorated plastic containers to major industries and consumers. The founder of J.L. Clark hated throwing any scraps away and actually used scrap areas from manufacturing one product as the raw material for another, forming pill boxes and ointment tins out of what would have been thrown away.

Carrying the “torch of sustainability” remains an important part of J.L. Clark and continues to be an important part of their strategic position. Sustainable projects are divided into Energy and Mind, Land, Sea, and Air to ensure that they pursue social, economic and environmental well-being.

They have an Air Compressor Replacement Program and an Electrical Press Replacement program. Under these programs, recent projects include a new injection molding press with a cycle time/labor savings of about \$68,000, and energy savings of \$13,000. Replacement of another compressor resulted in a savings of 165,000 kWh per year and electrical savings of over \$26,000 for the program. They have also continued on their path of “zero waste to landfill” achieving 98.7%.

J.L. Clark’s most notable achievement was alcohol free printing which not only eliminated the need to use alcohol in their process, but also reduced the amount of ink needed to print. Alcohol is a solvent that weakens the strength of the ink so when using alcohol in the printing process; you naturally need to use more ink. This resulted in a cost savings of approximately \$35,000 in alcohol use, and \$72,000 of ink savings.

John G. Shedd Aquarium – Chicago

First Time Recipient

Sustainability is a critical part of Shedd Aquarium's conservation mission. As an aquarium, one of the most important - and daunting - sustainability initiatives they've undertaken is water conservation. Both the health of their 32,000 animals and operations as a world class cultural institution, depend upon water. Shedd set an ambitious goal to reduce the pull of "new water" brought into the aquarium 50 percent by 2018. To meet this goal, Shedd's sustainability thought leaders had to get creative and question the norms of daily operations. Can we do this better? Can we run our building more efficiently while also maintaining – if not improving – the quality of our guests' and animals' experience? The answer was and is, yes. Through working collaboratively with staff from around the aquarium and undertaking significant improvements to facilities infrastructure, Shedd succeeded in reducing water use by 49 percent from 57,919,136 gallons of "new water" used in 2007 to 29,803,606 gallons in 2014. This significant reduction also resulted in \$191,133 annual savings for the aquarium. With 2 million guests annually, over 20,000 member households, annual media impressions in the tens of millions and a professional community that extends overseas, Shedd has also utilized its powerful, trusted voice to inspire and instruct on water conservation efforts. Shedd's achievements in water conservation solidified the aquarium as a sustainability thought-leader and trendsetter within the zoo, aquarium and museum community in Chicagoland and beyond.

McHenry County Government – Woodstock

First Time Recipient

Since 2010, the McHenry Board and the Facilities Management Department have been making County building more sustainable through an innovative finance program to perpetually self-fund sustainability related projects. With the help of its primary contractors and leveraging the most advanced technologies, the county has improved the welfare of the environment, society and its own economic progress.

The county has inspired behavioral change in its populace through using its facilities as a learning environment and raising awareness about sustainable practices. McHenry County buildings have seen programs implemented each year that have generated energy savings to date in excess of \$630,000 in energy costs, have reduced 1300 metric tons of CO₂ annually, taken the equivalent of 270 cars off the road and planted 1078 acres of forests. In addition to energy efficiency programs for County facilities, other sustainable practices were created that include recyclable materials, landscaping improvements, renewable energy and waste management. All buildings are part of the Energy Star Portfolio Manager program and McHenry County has one certified Energy Star building (Treasurer's Office building) and two eligible buildings for certification (Administration building and Department of Transportation). McHenry County has created a culture of sustainability and will leave McHenry a legacy for future generations of stewards to follow.

Public Building Commission – Chicago

First Time Recipient

As a public developer, the Public Building Commission (PBC) implements a unique and comprehensive approach to environmental stewardship and has created an environmental program that allows the PBC to employ a multi-tiered and multi-step planning process for assessing sites and developing public facilities.

By using an integrated planning approach, best management practices, innovative approaches like in-situ remediation and sustainable design strategies, the PBC goes beyond standard practices and raises the bar for environmental excellence on public projects. The PBC's environmental program focuses on the planning and integration of environmental management, utilizing the best available environmental technology and sustainable design. Since 2008, the PBC has successfully remediated 31 sites to prepare them for further development.

The PBC has a successful track record of purchasing former industrial and other environmentally-challenged sites, cleaning these sites and constructing community anchors such as schools, libraries, parks and first-responder facilities. Under the PBC's nationally recognized, award-winning program, clean-up is coupled with sustainable design for new "greener" facilities which conserve Chicago's resources, reduce the impact on the environment and provide lasting economic benefits for our communities.

Saratoga Food Specialties – Bolingbrook

First Time Recipient

Saratoga Food Specialties is a growing dry spice blending company in Bolingbrook. As part of Smithfield Foods, not only are they an ISO14001 certified facility but have embraced sustainability as a core element of their business plan. Saratoga has achieved notable accolades with respect to its sustainability efforts. Most recently Saratoga was named the Sustainability Plant of the Year in Food Engineering magazine and achieved Zero Landfill status in 2014: diverting 100% of waste materials to recyclable markets which resulted in 7 new positions. This program resulted in removal of 1,306 tons landfill waste and reduced total company landfill cost by \$27,126 as compared to FY2014. It also provided revenue of \$39,771 in the form of rebates recycled within the first year.

Silgan Containers Manufacturing Corporation – Rochelle

First Time Recipient

Silgan Containers Manufacturing Corporation owns and operates a sanitary steel can manufacturing facility in Rochelle. The facility coats and forms steel sheets into food can ends. The facility practices Lean Manufacturing and actively seeks ways to reduce raw material usage, minimize waste, cut energy consumption, and lower emissions.

Silgan approaches sustainability from the bottom-up by actively engaging in the ideas of crew members and supporting those ideas with resources and leadership. Silgan has a program called "Ideas in Action" which

engages facility employees at Silgan plants to propose ideas for waste reductions. The ideas are logged and shared throughout the company to assist other Silgan plants to minimize waste.

In 2014, Silgan's facility in Rochelle completed several projects that support Silgan's goal of becoming a more sustainable company. The facility improved the quality check process to minimize the volume of good product erroneously sent to scrap. The secondary level of product inspection led to a reduction in 15 tons of metal. In addition, Silgan introduced an electric tugger as a way to transport finished product to storage. The tugger decreased propane usage by 20% and reduced CO2 emissions by 15.5 tons.

University Housing at the University of Illinois at Urbana-Champaign

First Time Recipient

University Housing at the University of Illinois at Urbana-Champaign serves more than 10,000 residents in 25 University-owned residence halls and 1,100 University-owned apartments. They serve more than 4 million meals a year in on-campus dining halls and catering venues. Full-time staff of more than 650 professionals provides services 24 hours a day, 7 days a week, 365 days a year.

The scale of housing and feeding such a large number of individuals presents a rich opportunity for lasting and meaningful impact on the environment, budget, and staff and residents.

University Housing has implemented sustainable

efforts across their organization. By working together, significant changes are made that also impact the environment and the bottom line. Residents and staff benefit from local foods; clean, non-toxic facilities; and gain education and contribute to a sustainable future.

Sustainability initiatives have resulted in cost savings on raw food, food waste, water, electricity, and chemicals. Highlights include trayless dining which resulted in a 12.9% reduction of cleaning chemicals used and water use reduction of 110,940 gallons; and LeanPath, a food waste reduction system that saved 678,255 pounds in food waste. Showerheads and sink faucets are being repaired or replaced with low-flow heads and aerators, resulting in water savings of 5,317,000 gallons.

Recycling efforts have diverted tons of waste from landfills, and education efforts help residents and staff members see how their actions and choices contribute to sustainability efforts.

Western Illinois University – Macomb

First Time Recipient

In recent years, Western Illinois University (WIU) has successfully integrated sustainability into campus policies, projects and the culture within Facilities Management, including hiring a facilities sustainability coordinator. WIU's strong commitment to reducing its environmental impact has also had a positive effect on the budget; effectively saving millions of dollars, across a multitude of projects. It's the goal of Facilities Management to integrate sustainability into all aspects of the Department. Facilities Management has successfully incorporated sustainability throughout

WIU's Master Plan, Strategic Plan, core values and Design Guidelines. By utilizing these key documents Facilities Management has been able to work from the top down to increase sustainable practices within the department and the campus community.

WIU has become increasingly more dedicated to improving efficiency, which can be translated directly into cost savings. Capitalizing on DCEO rebates/grants has been instrumental in these efficiency upgrades. In 2015, \$200,292 in incentives from DCEO was received, with an additional investment of \$419,181 by WIU. These projects included lighting upgrades, installing variable frequency drives, high efficiency HVAC, pipe insulation and steam traps. Another visible example of WIU's dedication towards increasing sustainability is their commitment to building green. The Macomb campus has one LEED Silver building and one in the construction phase, seeking Silver status. In addition, the QC campus has one building that obtained LEED Silver and one in the construction phase, seeking Silver status. WIU has implemented a policy that all new construction and major renovations will seek, at minimum, LEED Silver certification.

Exhibitors

ARCOA Group
Argonne National Laboratory
Bioseal
Caterpillar Inc.
Clarke
ComEd
Consolidated Printing Company
Cook County
Cook County Sheriff's Office
Golden State Foods
Huff & Huff, Inc.
Illinois Tollway
Illinois Sustainable Technology Center
Kimberly-Clark Professional
Office Depot, Inc.
Peoples Gas/North Shore Gas
Public Building Commission
RadTech
SCARCE
United Eco-Skies
University of Illinois, IGPA Office of Public Leadership
US EPA Safer Choice Label Program
Xtreme Environmental Solutions, Inc.

CONFERENCE GREENING ELEMENTS

We would like to thank the Sheraton Chicago Hotel and Towers for working with us to provide a facility and services that met our expectations for environmentally sustainable event practices.

For today's event, we have arranged for:

- Recycling collection in public areas and guest rooms
- Collection of kitchen scraps and leftovers for composting
- Coffee, tea and water served in reusable cups and containers
- Food, condiments, and snacks served on reusables wherever possible

Sheraton Chicago Hotel and Towers has the following best practices in place at their facility:

- The "Make A Green Choice" program, where guests can help reduce the hotel's environmental footprint by foregoing housekeeping for up to three days in a row.
- Ability for guests to reuse towels, bedding and toiletries
- Donation of leftover shampoos and soaps
- Energy efficient programmable thermostats for guest rooms
- High accessibility to mass transit
- Purchase recycled content products for events and guest rooms



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