

2014 Illinois Governor's Sustainability Awards and Campus Sustainability Compact Awards Program



October 23, 2014
Hyatt Regency Chicago
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 twenty-four 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.

The Honorable Mention category recognizes twelve organizations whose successes are also worthy models of sustainability.

"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

More information can be found at istc.illinois.edu/govsawards.

Agenda

2014

Illinois Governor's Sustainability Awards
and recognition of the
Illinois Campus Sustainability Compact
Universities & Colleges

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

Symposium*

- 9:00 Continental Breakfast & Registration
- 9:30 Measuring and Managing for True Sustainability
- C2C Certification | Ben Bezark – Certification Manager, Cradle2Cradle Products Innovation Institute
 - B Impact Assessment | Kelly O'Brien – Founder, Ideaction Corps
 - GRI Sustainability Reporting | Elsie Palabrica – Senior Consultant, ERM
- 10:30 Exhibitor/Coffee Break
- 10:45 Boots on the Ground: Sustainability Success in Manufacturing
- Anaya Vardya – CEO, American Standard Circuits Inc.
 - Matt Smazik – Director of Manufacturing, Chem Processing, Inc.
 - George Tommasi – Director of Human Resources, The Label Printers L.P.
- 11:45 Exhibitor/Coffee Break

Awards Ceremony

12:00 Awards Luncheon

1:00 **Awards Ceremony***

*Keynote Address – Transformative Strategies for
Economic Growth and Jobs*

Jeff Malehorn – President & CEO,
World Business Chicago

1:30 Remarks

Kevin O’Brien – Director, ISTC

Brian Anderson – Interim Executive Director, PRI

Governor Pat Quinn (Invited)

2:00 *Presentation of the Sustainability Awards*

Kevin O’Brien – Director, ISTC

Governor Pat Quinn

Presentation of the Campus Compact Awards

Gary Miller – Associate Executive Director, PRI

Awards Presentation Moderator

John Mulrow – Business & Industrial Sustainability
Specialist, ISTC

3:00 Adjourn: Photo Session & Networking

* Order of speakers subject to change

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Governor's Sustainability Award - Winners

AMA Plaza/330 N. Wabash Avenue, L.L.C. – Chicago

First Time Recipient

AMA Plaza, opening in 1972 as the IBM Building, is a 1.5 million square foot, Leadership in Energy & Environmental Design (LEED) Certified, 52 story multi-tenant office building and five-star hotel building adjacent to the Chicago River. It is a Chicago Landmark and on the National Register of Historic Places as it is the last and largest American building of the renowned architect Mies van der Rohe. A two-year, \$59 million redevelopment was completed in 2013 which included HVAC and mechanical system upgrades and a vegetated roof.

As a direct result of the redevelopment and operating efficiencies, AMA Plaza reduced its energy consumption per occupied square foot and degree days by 15 percent saving 7,440,092 kWh and \$633,347 annually. Smart Meters for real time monitoring of the main meter outputs were installed. A tenant, food service, and hotel composting program was implemented in 2013 which is currently diverting 5,000 pounds of food waste per month. During construction an average recycling rate of 80 percent of construction waste was achieved during the 1,000,000+ square foot renovation and 13+ tons of toxic E-waste was diverted from landfills. A tenant and hotel engagement program was implemented which included education, contests, and programs to assist the tenants and the hotel to increase their sustainability profiles.

Argonne National Laboratory – Lemont

Continuous Improvement

Argonne National Laboratory is leading the way with cutting-edge science and engineering to find solutions to major challenges that our nation faces in sustainable energy, environment, security and economic competitiveness.

Argonne's Sustainability and Environmental Program, formed in 2010, embodies the laboratory's commitment to reducing its environmental footprint by championing valuable infrastructure improvements to conserve energy and water while reducing pollution.

Argonne's Sustainability and Environmental Program is divided into five focus areas that support U.S. Presidential Executive Order 13514 goals and the lab's commitment to a sustainable campus: • Employee Involvement • Energy and Water Conservation • Pollution Prevention (P2) • Renewable and Clean Energy • Transportation.

Argonne's strategically planned on-site sustainability projects have had a real and positive impact on the laboratory's greenhouse gas reduction and cost-saving efforts. Each year the lab implements a series of projects that provide high-yield results that benefit the environment while saving water, energy, resources and money and reducing emissions, preventing pollution and minimizing waste in the environment.

Argonne has reduced potable water intensity by 32 percent and is almost halfway to its 2020 goal of reducing Scope 1 and 2 greenhouse gas emissions by 28 percent. Facility energy intensity reduction is on track with a 25

percent decrease since baseline FY 2003. To meet funding challenges, Argonne has implemented innovative solutions including Energy Savings Performance contracts and a campus energy and water savings reinvestment program. Argonne also uses a three-pronged approach in determining the feasibility of sustainable infrastructure by evaluating cost effectiveness, environmental impact and educational value. Adding infrastructure that meets these criteria has led to a high return, both financially and in terms of social and educational payback. The laboratory's sustainability blog also expands outreach efforts, providing resources that other organizations and individuals can use to help guide their own sustainability projects and initiatives.

Armstrong World Industries – Kankakee

First Time Recipient

Armstrong World Industries is a global manufacturer of flooring and ceilings for commercial and residential application. The Kankakee plant is a vinyl composite floor tile plant and manufactures tile for both the commercial and residential markets. The company has a stated environmental mission to reduce the impact its manufacturing plants have on the environment, drive innovation for products that contribute to sustainable buildings and be a responsible community partner. The plant began its sustainability initiative in the fall of 2008. The plant team focused on diverting less waste to landfill, reducing the consumption of disposable goods, and improving energy efficiency. From 2008-2013, they reduced waste sent to the landfill by 95 percent. To make this significant improvement the plant purchased a shredder to enable the reuse of mill plug scrap. Because they are able to reuse their mill plugs, they were able to reduce purchases

of raw limestone and resin. This prevented over 800 tons of CO2 greenhouse gas emissions from the process of manufacturing new resin and limestone and over 2,000,000 pounds from the landfill. Additionally, the scrap shredder allowed them to expand a nationwide vinyl composition tile (VCT) recycling program. Armstrong accepts used VCT tile from customer renovations, the tile is ground up and reused in new tile. This reduces the customer's environmental footprint from the renovation by keeping it out of the landfill and allows the plant to reduce its virgin raw material resources by reusing this tile in the process. This process has allowed the plant to prevent over 400 tons of greenhouse gas and divert over 1,200,000 pounds of waste to landfill. The plant's cooperation with a local non-profit, United Way, to sort the recycled tile creates community involvement in helping achieve sustainability goals while providing valuable skills for the disabled adults performing the work. The Armstrong World Industries Kankakee plant is committed to reducing its environmental footprint and continues to identify opportunities to make a better environment for its employees, customers and community.

Baxter Healthcare Corporation – Round Lake
Continuous Improvement

Baxter International Inc. (Baxter), through its subsidiaries, develops, manufactures and markets products that save and sustain the lives of people with hemophilia, immune disorders, infectious diseases, kidney disease, trauma, and other chronic and acute medical conditions. While it is Baxter's mission to save and sustain lives, it is committed to helping our many global stakeholders thrive by creating lasting social, environmental and economic value in how it does business. At the Round Lake campus Baxter

employs more than 2500 full-time and approximately 600 contractors. The campus consists of two manufacturing facilities that aseptically fill pre-mixed Baxter drugs. The park also has five research and development facilities, a wastewater treatment plant and general office space. Total land area is over 400 acres, with buildings totaling nearly 1.8 million square feet. With the directional support of corporate annual goals for the reduction of waste, water and energy Baxter Round Lake implemented various waste reduction and infrastructure upgrades to reduce its environmental impact in 2013. Baxter views sustainability as a long-term strategic approach to include social and environmental goals, in addition to financial objectives, among its business priorities. Baxter publishes an annual sustainability report highlighting sustainability programs, priorities, goals and performance. For the years 2009, 2010, 2011 and 2012 Baxter was recognized as the greenest healthcare company in the United States. These corporate goals, programs and recognition can only be achieved through the participation and efforts by each individual facility. The Baxter Round Lake facility does its part to contribute to these sustainability efforts. A few of these programs include a LEED building certification, use of electricity generated from 100 percent renewable power, increases in general recycling, overall waste reduction, and reductions in water and electricity usage.

Best Buy (Illinois Operations) – Downers Grove

First Time Recipient

The men and women of Best Buy are proud of our efforts to be good corporate citizens and positively impact our world as we continue our Renew Blue transformation. This includes being a good steward of the environment and a

partner with the communities we serve. Best Buy has a strong presence in Illinois, with 51 large format stores, 16 Best Buy Mobile stores and one distribution center. At those locations Best Buy employs nearly 5,000 Illinois residents, making a significant impact on the economy.

Best Buy's most impactful sustainability efforts in Illinois include:

- Collecting more than 12 million pounds of consumer electronics and appliances for recycling in 2013
- Reducing energy in our stores, including a lighting retrofit of 20 Chicago-area stores resulting in more than 25% energy reduction in those stores
- Opening a Best Buy Teen Tech Center in Chicago, focusing on underserved teens.

Carus Corporation – Peru

First Time Recipient

Headquartered in LaSalle/Peru, Carus Corporation is a dynamic, growing, environmental services company, and a world leader in supplying products and services to the markets of water, air, and soil remediation. During their nearly 100-year history, Carus' ongoing reliance on research and development, as well as emphasis on technical support and customer service, has enabled them to become a leader in permanganate chemistries, manganese oxidation, catalyst and blended phosphate technologies.

In 2009 Carus began participating in the Department of Energy's "Save Energy Now" initiative and formed the cross functional Variable Cost Reduction (VCR) Team, focused on energy and manufacturing cost reduction for the company's potassium permanganate plant. At that time, it was recognized that high energy costs were a significant, and addressable, part of the overall product manufacturing cost.

The areas of energy improvement include: (1) limitation of water ingress to reduce evaporative load; (2) waste heat recovery; (3) optimization of evaporation efficiency; (4) implementation of boiler efficiency technologies; (5) modification of electrolytic cell operating strategy and (6) extensive modification of chemical process operating strategy. Many improvements were low-cost changes in operating procedures, however significant capital projects were also implemented, some with utility financial assistance.

Carus' potassium permanganate plant has realized significant (and enduring) energy and manufacturing cost savings, as well as carbon footprint reductions, in each of the four years that the VCR Team has been in place. The results of Carus' 2013 VCR Team initiatives show a 7,206 MMBtu/yr energy savings and 429 tons of CO₂ equivalent emissions reduction.

Cumulatively, VCR Team initiatives have resulted in a 28 percent reduction in production volume normalized energy consumption for the manufacture of potassium permanganate. Recognizing this consistent achievement, the American Chemistry Council has presented Carus Corporation with the Responsible Care[®] Energy Efficiency Award every year since 2010.

Caterpillar Inc. – Joliet
Continuous Improvement

In order to achieve the company's "Zero Landfill" goal, Caterpillar Joliet EHS team consulted Waste Management (WM) in 2010 on an initial assessment of the facility's waste recycling status. WM estimated that about 60 percent of

waste collected in trash tubs were potentially recyclable materials. In early 2011, the Joliet EHS team officially chartered a six-sigma project to reduce landfill waste, increase recycling rate and lower environmental cost. During the past three and a half years from 2011 to 2014, landfill waste has been reduced from 0.855 lbs/labor hour (2010) to 0.227 lbs/labor hour (2014), a 73 percent reduction. The recycling rate has been increased from 73 percent in 2010 to 90 percent in 2014. The total cost avoidance/savings from 2011 to 2014 is about \$ 1.5 million.

Caterpillar Inc. – Mossville

Continuous Improvement

Caterpillar Inc. is a world renowned manufacturer of construction and mining equipment, diesel and natural gas engines, industrial gas turbines and diesel-electric locomotives. Filters and fluids (F&F) are critical to achieving optimal life and performance in machines and engines. These components are changed by customers at service intervals to keep their engines and machine components well lubricated, clean, and performing as designed. F&F maintenance is a recurring touch point with customers and the main contributor to Owning & Operating (O&O) cost throughout the machine life. Filters and fluids clean engines and components, but they also they generate waste, increase the carbon footprint of machines and are energy intensive to make and maintain.

Two innovative and high performing products have been introduced by Caterpillar, Cat HYDO™ Advanced Hydraulic oil and Cat Proprietary Fluid Filters. These two products address all the concerns mentioned above while offering enhanced protection and improved revenue stream.

Cat HYDO Advanced is Caterpillar's exclusive high performing hydraulic oil that triples the oil drain interval from 2000 hours to 6000 hours. The result is a remarkable reduction of the oil used throughout the life of the machine and subsequently a significant CO2 footprint reduction.

Cat Proprietary Fluid Filters are Caterpillar exclusive filter designs that change the paradigm for filter serviceability; a single filter element is changed by customers during maintenance rather than changing the entire filter and housing as typical. Hence, waste is reduced significantly during the life of the machines.

In 2013, the CO2 savings due to the use of these two products was equivalent to the greenhouse gas emissions of over 6,000 cars.

City of Arcola

First Time Recipient

The City of Arcola has implemented several energy-efficiency and renewable energy upgrades over the past several years. The City has worked with Tick Tock Energy, Inc. to develop an energy action plan, complete various feasibility studies, and perform project installations. The City has made a considerable effort to lower its energy consumption and ultimately become more environmentally and financially sustainable. The projects completed have included: • Comprehensive lighting upgrades in several facilities • Installation of an energy-efficient blower at the waste water treatment plant (WWTP) • Installation of a 40 kW wind turbine on 120-foot tower at the WWTP • Installation of a 10 kW solar photovoltaic array. The lighting projects consisted of various retrofits and upgrades to both

interior and exterior lighting fixtures at the Fire & Police Station, Community Center and Maintenance Buildings. The blower upgrade and wind turbine installation were done at the City's waste-water treatment plant which was the most energy-intensive facility. Lastly, the solar photovoltaic system was a ballasted array located on the flat roof of the City Hall. The City has captured approximately \$193,000 in grants and incentives from the Illinois Department of Commerce and Economic Opportunity (DCEO), Illinois Clean Energy Community Foundation, and US Department of Energy (via the ARRA program administered by the DCEO). Overall electricity savings from these combined projects exceed \$23,000 per year. Overall savings of approximately 220,000 kWh per year have been estimated as a result of these projects. Additional operational and maintenance savings have also been realized. Lighting upgrades have resulted in improved light levels and quality in several city facilities. The City of Arcola estimates that over 127 tons of CO2 emissions have been avoided by reducing the use of fossil fuels and electrical generating power plants.

City of Aurora

First Time Recipient

Aurora residents enjoy the City's sustainability efforts every day, as they drive across town, picnic at a Fox River park, or seek information about City Council action.

The City follows a half-dozen Vision Plans which all have sustainability at their core. These "green" guidelines, some more than a decade old, establish frameworks for sustainable practices for current and future development of Aurora -- and along the banks of the Fox River, which runs through the heart of Illinois' second largest City.

Aurora has installed solar panels at its commuter train station, completed retrofitting lighting at two-thirds of the City buildings, converted 320 City vehicles to ethanol or soy-mix fuels, and even gone paperless for City Council agendas and minutes. The City's upgraded traffic lights and new interconnected roadway corridor system are improving the flow of traffic while also saving electricity and reducing emissions.

The new, LEED Gold-Certified Aurora Police Headquarters is the most visible example of Aurora's dedication to sustainability. The campus is one of the largest LEED Gold municipal buildings in the country. It features bioswales to reduce runoff, motion-activated light sensors to conserve electricity, permeable pavers to promote stormwater infiltration, and rooftop solar panels to generate electricity.

Aurora's Green Infrastructure Project has involved installation of a bioswale at the RiverEdge Park concert venue, rain gardens downtown and along a neighborhood parkway, and a biofiltration facility at the commuter station parking lot -- removing, in total, about 10 tons of pollutants from Fox River runoff each year.

City of Galena

First Time Recipient

The City of Galena is a destination best known for its idyllic natural beauty, historic architecture, and authentic history. Though small in size with a population of just 3,400, Galena has ascended as a regional leader in sustainability. The commitment to sustainability is highlighted by a 1,444 panel photovoltaic solar array, installed in 2012 as one of

the largest municipally-owned systems in the Midwest. In the first year of operation, the system produced 477,000 kWh of renewable energy. The electricity from the solar array provides nearly 50 percent of the power needed to operate the waste water treatment plant. The solar power production saves the city nearly \$50,000 annually.

In addition to renewable energy, the city has implemented a wide range of sustainability projects, including: the high-efficiency reuse of a vacant 1959 building for the relocation of City Hall, the conversion of all traffic lights to LED, the preservation of more than 100 acres of threatened natural area, a single use plastic bag reduction campaign, paperless city council meetings, public building lighting retrofits, and diverse public recycling options--including batteries, medications, electronics, and compact fluorescent light bulbs. All of the projects and initiatives are part of the easily recognizable brand of sustainability in Galena – “My Green Galena.” Sustainability is the guiding principle for organizing and managing the city to create a healthy environment, vigorous economy and vibrant community.

Eaton’s B-Line Business – Troy

First Time Recipient

B-Line, a current division of Eaton, has a history of promoting resource conservation and sustainability. Following their core principles, B-Line’s facility in Troy utilizes Manufacturing Variance Processes (MVP) to generate, evaluate, and select projects that support their goals of safety, quality, delivery, customer service, and inventory improvements while having a positive impact on environmental sustainability. In 2007, the facility underwent an improvement to their lighting system on the shop floor

by replacing old fixtures and bulbs with efficient housings and bulbs. The lighting upgrade brought annual savings of 620,000 kWh and \$47,000. Over the past seven years, B-Line has experienced transformations in their weld department by first replacing their acid wash station, used to clean weld marks, with a dry ice blasting system. They then installed an automated weld line to ultimately provide soot free welds, mitigate their chemical usage and provide an increase in departmental throughput by 67 percent. Another program that B-Line supports is their recycling initiative. By continuously monitoring the volume of scrap material generated, they have been able to significantly reduce their waste generation. The facility recycles approximately 2 cubic yards of used plastic and 6 cubic yards of used cardboard every month. Next, the facility conducted an air management study to reduce energy consumption. The study found inefficiencies through air leaks in the facility's air compressor. The replacement of air lines provided annual savings of 30,000 kWh and \$17,500.

Environmental Resources Training Center at Southern Illinois University – Edwardsville

First Time Recipient

The sustainability of the waters of Illinois has been the goal of the Environmental Resources Training Center (ERTC) for four decades. ERTC was designed with the sole purpose of training drinking water supply and wastewater reclamation plant operators. The treatment plant operator is an integral part of the water use cycle in the U.S. The water operator supplies clean reliable water to households throughout the nation. The wastewater plant operator discharges clean, sanitary waters back into the nation's waterways. By virtually eliminating water borne pathogens, these

operators save more lives than medical doctors.

In 2011 ERTC expanded its commitment to sustainability by completing its Alternative Energy Project. The installation of the 144 PV panels (32kW) was completed on January 31, 2011. On April 13, 2011 construction of the 120 foot tall (20 kW) wind turbine was completed. As of May 1, 2014, the alternative energy project has offset electrical costs for the University by generating over 174,977 kW, and saving approximately \$12,110 in energy costs.

The training center provides training for young people just entering the work force and for many displaced workers who have lost their jobs when factories and coal mines close. An example of the training impact that ERTC has on the water profession can be measured in the statistics from FY2013, when it trained over 975 students and awarded over 25,000 continuing education and contact hours.

Gabriel Environmental Services – Chicago

Continuous Improvement

Gabriel Environmental Services is one of Chicagoland's premier environmental consulting firms. In more than 40 years of business, they have become leading experts in the areas of Phase I environmental site assessments, soil borings, UST management, and industrial wastewater monitoring. Since earning the Governor's Sustainability Award in 2011, they have undertaken several additional sustainability initiatives: • Installation of 126 additional solar photovoltaic panels (total number of panels is now 162, with a capacity of 42,000 watts) • Purchased three electric vehicles (Nissan Leaf – 100% electric; Chevy Volt and Ford C-Max Energi – plug-in electric/gas hybrids) • Installation of

three Level 2 electric vehicle charging stations • Installation of experimental geothermal system for their walk-in cooler. These efforts have resulted in an overall 282 percent increase in solar energy generated and a decrease of 25,870 lbs. (11.7 metric tons) of CO2 emissions (compared to use of traditional electricity sources). Additionally, they have seen a 70 percent annualized reduction in greenhouse gas (GHG) emissions for the three vehicles replaced with the electric vehicles. In 2013, their annualized GHG emissions were reduced by 18.12 MTCO2e.

J.L. Clark – Rockford
Continuous Improvement

J.L. Clark is a 110 year old manufacturing company that produces decorated metal tins and decorated plastic containers for major industries and consumers. Sustainability is rooted in the company's history. 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. It continues to be an important part of their Strategic Position. Sustainable projects are divided into Land, Sea, Air/Energy and Mind to ensure that we pursue social, economic and environmental well-being.

Since 2013, projects have included: a new compressor for their Tin Stores Department and new windows in their Metals facility, relocation of three injection molding presses and an assembly line to Plastics, lighting replacement program, purchase of a new Toshiba Press and continued

improvement on their zero waste to landfill program. In being good stewards of the environment and community, employees have participated in The Great American Clean Up, collecting aluminum cans and donating them to their “adopted” school; Kishwaukee Grade School for their recycling project.

Midwest Energy Efficiency Alliance – Chicago

First Time Recipient

Since 2009, the Midwest Energy Efficiency Alliance (MEEA) and the Illinois Department of Commerce and Economic Opportunity (DCEO) have worked together to deliver the Illinois Home Performance with ENERGY STAR® program to Illinois homeowners. Illinois Home Performance (IHP) aims to improve the comfort, safety, durability, value, and energy efficiency of Illinois homes and support a highly trained workforce of home performance professionals. With funding and support from DCEO, MEEA sets statewide standards, performs education and outreach, and coordinates over 100 public and private partners in pursuit of driving demand for residential energy efficiency.

IHP promotes a “whole-home” approach to home energy upgrades that takes the entire home and all of its systems into account when diagnosing performance issues and prescribing remedies. In 2013, MEEA issued Certificates of Completion to 1,548 Illinois homeowners that achieved at least 15 percent annual energy savings through a whole-home energy upgrade. Certificates of Completion are designed to help the homeowner communicate the value of their investment during home sale; MRED, the northern Illinois Multiple Listing Service (MLS), recognizes IHP Certificates, and they can be uploaded to many other MLS’ around

the state. These homeowners cumulatively saved approximately \$580,500 annually in energy costs and an amount of energy equivalent to the annual energy needs of 414 Illinois homes. In addition to homeowner outreach, MEEA also offers ongoing training and support to home performance and real estate professionals around the state. Recently, IHP was recognized as a 2014 ENERGY STAR® Partner of the Year for excellence in program design and delivery.

Nestlé USA – Jacksonville
Continuous Improvement

The Nestlé Jacksonville Facility has been focused on sustainability over the past two decades. From 1998 to 2009 they maintained certification in the Nestlé Environmental Management System (NEMS) and transitioned to ISO: 14001 certification in December 2009. Environmental sustainability is engrained into their facility and they are focused on Reduce, Reuse and Recycle programs. A major milestone at the Nestle Jacksonville facility was the reduction/elimination of production related waste (to animal feed) 36 percent from 1329 tons in 2010 to 841 tons through an \$8 million dollar investment in processing equipment. In addition to reducing production waste, recycling waste has also been reduced an additional 614 tons per year through a focus on converting to reusable materials. Reduce, Reuse and Recycle programs have been the heart of the sustainability program at Nestlé Jacksonville, and recently they have focused on piloting green energy ideas. As an example, in 2010 an interior lighting upgrade was completed that reduced energy usage 54 percent (or 1,236,331 kwh). In 2013, an exterior LED lighting upgrade was completed that reduced usage from 59 percent (or 50,918 kwh), installed 10 light tubes as a pilot trial in the facility to bring in natural lighting into their office area, and have installed a pilot 70

kw solar array that powers all exterior lights, company store, and guard shack using green energy. The next phases in their sustainability journey are to learn new technologies, continue to engage employees in sustainability, and teach others to reapply what was learned (at home and work).

Rockford Park District

First Time Recipient

The Sinnissippi Riverfront is the oldest and one of the most heavily-utilized parks in the Rockford Park District. On average, nearly 143,000 people per year visit the riverfront and gardens located along the Rock River in Northern Illinois. Purchased in 1909, Sinnissippi Riverfront was the first land acquisition of the Rockford Park District. The former industrial corridor sits within a narrow strip of land between an active railroad line and a state highway (Illinois 251) where more than 30,000 vehicles pass daily. Immediately west of the railroad is a recreational path and the Rock River. The multiple modes of park access (boating, path, rail, and vehicular) demonstrate the District's priority of embracing the riverfront. In 2004, the Rockford Park District's Board of Commissioners selected Sinnissippi Riverfront as the site to commemorate the Park District's 100-year anniversary. It was only fitting that this area be chosen because of its history and need for significant repair and renovation. Planning discussions evolved into researching and adopting sustainable best practices into the master plan. The primary components of the renovation plan included replacing an obsolete greenhouse with a conservatory topped with a green roof, lagoon restoration, teahouse reconstruction, new parking lot with a "living wall," and a new boat dock. The Nicholas Conservatory recently received a LEED Gold designation with sustainable features including geothermal technology, green roof,

permeable paving, bioswales, recycled content, photovoltaic panels, daylight dimming, innovative design and sustainable operations.

SAVOR...Chicago

First Time Recipient

SAVOR...Chicago (SAVOR) at McCormick Place is the food service provider at McCormick Place Convention Center. McCormick Place has 4 buildings North, South, East and West that SAVOR provides catering, concessions, and special events services. McCormick Place is the largest convention center in North America. SAVOR has a goal of turning it into the greenest convention center in the world. The sustainability plan was very effective in 2013 with its sustainability committee leading the charge. The committee executes a robust recycling program that increased diversion 20 percent in 2013 from previous year, added 100 percent cooking grease to Bio-Diesel Fuel, recycling all wine corks to the Cork Re-harvest Program, 439 tons diverted from landfill and a post-consumer Green Angels sorting program. With SAVOR's mission to bring local food to McCormick Place, they added the largest Rooftop Garden in the Midwest. This garden produces 4000 pounds of food for the 2 Green Seal Certified Restaurants. To reduce the use of hazardous cleaning chemicals two Electric Chemical Active devices were added, which makes chemicals on site with salt, water and electricity. In addition, third party Green Certified cleaning chemicals were added to the West Building. The community outreach program tallied over 500 hours with 42,000 pounds of food donated to charity, feeding the homeless; Prostart® Shadow Day; and the Windy City Harvest Program on the Rooftop Garden.

Sweet Beginnings, LLC – Chicago

First Time Recipient

In May 2011, Sweet Beginnings and the North Lawndale Employment Network partnered with the Chicago Department of Aviation and the Chicago Department of Family Support Services to install and maintain an apiary (beehives) on O'Hare Airport property. Beekeeping and the processing and sale of honey and honey-infused products provide job experience and income to citizens returning from incarceration. The initiative transformed vacant airport property into a budding apiary with now more than 75 beehives – the largest airport apiary in the world and the first major on-airport apiary in the U.S. Sweet Beginnings is able to employ 30-40 men and women annually who otherwise could not secure a job due to lack of work experience and criminal backgrounds. Employees collect about 35 pounds of Certified Naturally Grown honey per hive each year, generating \$260,000 in sales revenue. Beelove™ products are sold online, at O'Hare and Midway airports, and at popular retailers. The revenue allows workers to bring home income to their families (and a renewed pride) and re-invest it into their local communities. As of January 2014, 383 participants have completed the program. The training and work experience received allows them to transfer to unsubsidized positions – a tremendous success considering some graduates had never held a legal job. The repeat-offense rate for former Sweet Beginnings employees is traditionally below 10 percent compared to the national average of 65 percent. The on-airport apiary also helps educate the public and replenish bee populations, which have plummeted over the past decade because of parasites and pesticides.

Thomason Machine Works, Inc. – Rockford

First Time Recipient

Thomason Machine Works, Inc. specializes in replacement parts for a wide variety of header, roll thread and general machining products and has been committed to green manufacturing initiatives for many years. Their efforts originated over 20 years ago, but they are proud to say that they have made some of the most significant improvements just within the last few. Energy improvement projects led to the replacing of lighting fixtures throughout their 37,000 square foot facility, installing variable speed energy efficient air compressors, as well as installing energy efficient hand dryers in employee restrooms. They have contributed to hazardous waste reduction by taking part in a variety of recycling activities (used batteries, toner cartridges, and excess metal materials) and significantly lowering coolant usage throughout the machining process in use today. Their sustainability activities have also allowed them to eliminate the use of excess materials, paper goods, and resources by way of implementing technological improvements within the day to day routine. Thomason Machine Works, Inc. is committed to continued sustainability initiatives and reduction of their overall impact on the environment by responsibly conserving energy, reducing waste channels to the environment, and educating employees, customers, and community on environmental accountability.

University of Illinois at Chicago

Continuous Improvement

The University of Illinois at Chicago (UIC) continues to identify opportunities that support the campus environment, support eco-friendly forms of transportation, celebrate their diverse community, promote renewable

energy innovations, and reduce the use of harmful chemicals. Tree Campus USA certification and recertification demonstrates UIC's commitment to promoting the health of their campus forest, providing guidance on care and species selection, and highlighting the environmental and economic benefits of UIC's 5,300 trees. Bicycle Friendly University recognition demonstrates UIC's commitment to promoting healthy lifestyles and environmentally friendly transportation options. Food scrap composting diverted 97 tons of organic matter from landfills. This program supports the local economy, and helps raise awareness about the quantity of food wasted at each meal. The Heritage Garden creates educational spaces that relate diversity to quality of life issues that benefit both people and nature. The satellite gardens link environmental and social concerns. Student interns research plants for cultural and medicinal significance as a resource to the community. A solar-powered bus shelter produced approximately 230kWh of electricity to power safety lights at an existing bus shelter on campus. The battery holds a multi-day supply of power for the LED lights and advertising display. Elliptical exercise machines at recreation centers were retrofitted to convert kinetic energy to approximately 730 kWh of electricity which is sent back to the campus power grid. Four chillers on two campus buildings were replaced, removing 3,200 pounds of obsolete, environmentally damaging R 11 refrigerant.

Village of Franklin Park

First Time Recipient

Franklin Park has embraced the notion that environmental practices are not only beneficial to our planet but are also fiscally responsible. The Village has made it a priority to adopt sustainable practices when addressing municipal functions whenever possible. A LEED Gold Certified Police

Station was built and includes environmentally friendly building materials, high efficiency lighting and motion sensors. A cistern provides water for both landscaping irrigation and toilet flushing. Bioswales reduce combined sewer overflows to the Des Plaines River by allowing storm water to be detained on-site and filtered into the soil below. The pavers and concrete utilized reflect solar radiation back into the atmosphere, thereby minimizing any contributions to the urban heat island effect.

The Village has replaced outdated vehicles with Electric Vehicles and added EV Charging Stations. By instituting a community-wide recycling effort, the Village has increased the amount of recycling per household from 8.2 to 10.9 pounds per week. An Anti-Idling Policy restricts Police vehicles from idling on area streets resulting in a gasoline savings of approximately \$40,000 and prohibited release of 27,818 metric tons of greenhouse gas emissions annually. The Village has prohibited by ordinance the use of landscape chemicals on Village-owned property and embraced natural lawn care by only utilizing earth-friendly landscaping materials. Franklin Park promoted the economic and social viability of sustainable and environmentally-friendly practices through a comprehensive marketing effort.

Village of Park Forest

First Time Recipient

Located 35 miles south of the Chicago Loop and having nearly 22,000 residents, the Village of Park Forest has a legacy of living and growing sustainably. Since its founding in 1949, the Village has equally valued the three pillars of sustainability: Environment, Economy and Equity and have put multiple initiatives in place to demonstrate its

commitment to be a thriving and responsible community. Village's Board of Trustees has made it a major budgetary goal to establish policies to achieve financial, environmental, and infrastructure sustainability.

In 2012, with input from over 450 residents and Village officials and managers, the Village created a sustainability plan entitled Growing Green: Park Forest Sustainability Plan, and hired a Village Sustainability Coordinator. The Village has implemented a number of green initiatives in recent years to draw community attention to sustainable practices. These efforts have included establishing a rain barrel distribution program, fostering local food production via a farmer's market and food co-op, rehabilitating a 42-acre wetland and peat bog, and implementing several demonstration projects for stormwater management and renewable energy.

Governor's Sustainability Award – Honorable Mention

Cabot Corporation – Tuscola

Cabot Corporation's Tuscola facility produces fumed metal oxides, including fumed silica and alumina, and hydrochloric acid. The facility has been actively pursuing new ideas for environmental improvement and sustainability over the last several years. Cabot won the 2011 Illinois Governor's Sustainability Award which included reductions in water use, waste, packaging materials and energy use and also increasing recycling efforts with a new recycling program.

Cabot has continued their commitment to sustainability with additional projects at the site which includes:

- Retrofit of an older air compressor and dryer station for supplying plant instrument air with a new energy efficient instrument air system. The project resulted in a reduction of electric usage by 3,581,172 kWh annually, which is enough to power 350 typical homes that do not use electricity for heat. This project was the result of an instrument air survey funded in part by Ameren's Act On Energy program and the project was completed with the support of the Act On Energy incentive program.
- Upgrade of a once through scrubber system with a recirculating system, resulting in a further reduction of approximately 7.2 million gallons of fresh water usage above and beyond the 2010 reduction efforts.
- Installation of an atmospheric air dryer and chiller system to replace rental compressors and dryers that have been on site for eight years. The project resulted in a reduction of electric usage by 4,017,139 kWh annually, which is enough to power 392 typical homes that do not use electricity for heat. This project was funded by our customer and Ameren provided an Act On Energy rebate to Cabot.
- Cabot has been an active participant in the Illinois Adopt a Highway program since 2012.

Caterpillar Visitors Center – Peoria

Caterpillar Inc. is a world renowned manufacturer of construction and mining equipment, diesel and natural gas engines, industrial gas turbines and diesel-electric locomotives. Caterpillar is a global leader, and for more than 85 years Caterpillar Inc. has been making sustainable progress possible through their dedication to positive change on every continent. The Caterpillar Visitors Center, which opened in Peoria in 2012, has received the LEED Gold certification for New Construction from the U.S. Green Building Council for its many sustainable features that reduce the building's environmental impact.

In pursuit of Caterpillar's waste reduction goal, the Caterpillar Visitors Center project diverted 2932.54 tons (98.07 percent) of on-site generated construction waste from landfills by utilizing strict waste segregation practices and containers, and by implementing lean housekeeping on site.

The building features solar panels that provide about 10 percent of the center's projected annual energy use, while reducing greenhouse gas emissions approximately 80 metric tons per year. Other energy conservation features include external sunshades, automatic daylight controls, architectural glazing design for increased daylighting, enthalpy wheels to recover heat energy and a heat recovery chiller. Water conservation features include water-efficient landscaping design through local and native plantings, a rainwater harvesting system and low-flow plumbing fixtures. These energy-saving features reduce energy use by as much as 35 percent for a typical building of its size, while water-saving programs reduce interior water usage by about 46 percent.

City of Chicago – Department of Fleet and Facility Management

Over the past few years, the City of Chicago has implemented various energy conservation measures at facilities managed by the Department of Fleet and Facility Management (2FM). Measures were identified in a variety of ways: Smart Energy Design Assistance Center (SEDAC) retro-commissioning reports, ComEd energy audits and in-house investigation. From the energy audits, the energy efficiency opportunities were organized into an energy program which reduce annual energy consumption on

a large scale. The Illinois Department of Commerce and Economic Opportunity (DCEO), Illinois Clean Energy Community Foundation (ICECF) as well as Federal Energy Efficiency and Conservation Block Grant (EECBG) offered energy efficiency programs which helped pay for the costs of the projects. The types of energy conservation measures implemented varied in scope and complexity. Projects ranged from retrofitting lighting systems with energy efficient bulbs, installing Energy Star rated air conditioning equipment, retro-commissioning HVAC systems for optimal performance and installing premium efficiency pumps to name a few. Since 2011, 2FM has helped to reduce energy usage by 4 million kilowatt hours and 250 thousand therms per year. This results in over \$400,000 of savings per year. The City of Chicago continues to recognize the importance of and benefits gained from energy efficiency including job creation, local economic development, and the efficient allocation of tax payer dollars. The City is also committed to investing in energy efficiency and continues to set the standard for energy efficiency and sustainability.

ComEd – Oakbrook Terrace

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 percent of the state's population.

ComEd's environmental policy provides a framework for their sustainability initiatives. ComEd is committed to preventing pollution, minimizing environmental impacts, using resources more efficiently, continuous improvement of environmental performance, and promoting a corporate

culture in which environmental stewardship is valued and business initiatives advance environmental performance. ComEd has been ISO 14001 certified since 2008 and uses the annual cycle of the Environmental Management System to drive sustainability. Additionally, ComEd has the unique ability to influence behavior of their 3.8 million customers toward greater energy efficiency and reductions in their own environmental footprint.

ComEd's recent environmental improvements include recycling initiatives, restoration of native habitat, protection of birds and endangered species, innovative additions to the green fleet, community partnerships, greenhouse house gas reductions, and numerous programs customers can use to minimize energy consumption.

ComEd has been recognized for environmental efforts by many organizations including the USEPA, US Fish & Wildlife Service, Chicago Wilderness, and Wildlife Habitat Council. ComEd's parent company Exelon has been recognized by the Dow Jones Sustainability Index for eight straight years and participates in a number of voluntary reporting initiatives including the Carbon Disclosure Project (CDP) Investor and Water surveys. Exelon was named to the CDP's Global 500 Climate Disclosure Leadership Index and Climate Performance Leadership Index for the second year in a row.

Compass(x) Strategy – Chicago

Compass(x) Strategy is a brand strategy consulting firm that specializes in creating sustainable growth for passionate companies. A Certified B Corp and registered Benefit Corporation, Compass(x) Strategy was launched in 2009 with the purpose of starting a business that would serve as

a “force for good.” Their business model is built on ‘Three Ways of Giving Back’ where each project takes a different approach, based on client type, to giving back to the local or global community. Nonprofits and purposeful companies who are looking to create a positive impact with their products or services can receive up to a 40 percent discount on their standard fees. Additionally, they provide pro bono services to nonprofits each year. For standard corporate clients, 2 percent of Compass(x) Strategy’s fees are donated to a charity of each client’s choice. \$145,592 of potential earnings has been redistributed this way since the beginning of 2012. In 2013 there was an increase of over \$30,000 given back to the community in this manner. Their efforts in 2013 also led to an increase in the number of B Corporations and local businesses in the supply chain, in addition to new sustainability goals for the next year.

DuPage County – Wheaton

Since receipt of the Governor’s Sustainability Award in 2011, DuPage County, Illinois, has continued to evaluate opportunities to reduce its consumption of resources while assisting the community with recycling under the County’s Commercial Recycling program. The County’s Stormwater Division has been instrumental in improving water quality in rivers and streams. The Department of Transportation has launched an alternative fuel program including the installation and conversion of vehicles to run on compressed natural gas. Transportation also led the expansion of a traffic signal synchronization program which was introduced in the 2011 application. The County’s Facilities Management team was the driving force in the conversion of an existing building to a U.S. Green Building Council LEED building. A second new construction building has an application pending for Gold

Level LEED certification. The County also endeavored into the use of renewable energy by installing a solar roof on a newly constructed building. A multitude of campus energy efficiency projects were completed due to federal grant funding.

Elmhurst Park District

Established in 1920, the Elmhurst Park District continues meeting the recreational needs of 45,171 residents while also remaining environmentally committed. A 2013 Wilder Park Conservatory & Greenhouse Restoration project allowed for improved technologies and energy efficiencies while demonstrating continued historical commitment. Seventy-five percent of the total project cost was funded by a Park & Recreational Facility Construction Act (PARC) Grant. The 2013 Sugar Creek Golf Course Creek and Pond Maintenance Plan included implementation of staff tasks to reduce consumptive use, water loss/waste, and the amount of water withdrawn from water supply sources. A “green” bottle fill station was installed on the Elmhurst Park District’s Courts Plus fitness floor registering the elimination of 19,900 plastic water bottles in the first five months of use. A SEDAC Energy Assessment recommended replacing the fitness floor HVAC system with CO2 technology and making lighting upgrades. DCEO funds reserved for these projects totaled \$17,373.92. There was a reduction of 116,361 kWh for this facility.

In 2013, volunteers served the District for 5,377 hours resulting in a savings of \$124,693. One hundred twenty-eight new trees were planted throughout the District offering 7,566 gallons of storm water runoff prevention and 4,960 lbs. atmospheric CO2 reduction while also providing

wildlife habitats and landscape enhancement.

By providing a variety of parks, recreation facilities, and affordable programs in the community, the Elmhurst Park District is committed to promoting lifetime enjoyment while becoming a customer-centered organization through innovation and sustainability.

Public Building Commission of Chicago on behalf of Chicago Public Schools – Chicago

Sarah E. Goode STEM Academy is the first new-construction high school in Chicago and the first Chicago Public Schools facility to be certified LEED Platinum. Converting vacant industrial property into a vital community asset, this Urban Model high school provides students, staff, and residents with a model of sustainable design and accessible amenities including athletic facilities, community gardens, reading gardens and park-like gathering spaces that extend learning to the outside.

The building and the site are designed to encourage and educate users about sustainability by showcasing energy-saving features like geothermal heat pumps and solar heating of pool water, and environmental features like rainwater harvesting, community gardens, indigenous plantings, green roofs, a bird sanctuary, and recycling containers.

TMCS INC. & ELSBO – Champaign

TMCS INC. & ELSBO is a partnership bringing together over 60 years of experience in healthcare management and commercial laundry services. This combination of know-how leads to significant savings in commercial laundries through

leasing ozone equipment to healthcare facilities/nursing homes, hospitals, hotels, and other facilities. Commercial laundries which avail themselves of this technology gain significant savings through less water and sewer usage, fewer chemical cost, less hot water used, shorter drying times, shorter wash times, longer garment life, longer equipment life, reduced labor costs, and better working conditions. Each ozone laundry installation saves an average 1.254 million gallons of water annually, thus, their 36 installations save approximately 46.398 million gallons per year. The Champaign County Nursing Home in Champaign started its trial of the system in July 2013. For water alone, it has reduced usage by 40 percent (from 1,562,200 gallons to 937,320 gallons) and for hot water, it is saving 80 percent of hot water used (from 1,093,540 gallons to 218,708 gallons).

UniCarriers Americas Corporation – Marengo

UniCarriers Americas Corporation (UCA) is an eco-innovator in its industry; the company is making its corporate practices and products greener and providing a cleaner environment.

Through significant resolve in achieving the company's Green Program goals, in fiscal year 2013, UniCarriers Americas completely eliminated all waste going to landfill to realize a zero waste-to-landfill goal.

With no disruption to the manufacturing facility, UniCarriers Americas accomplished the goals for its sustainability initiatives by September 2013, well ahead of schedule. The efforts included consolidating recycling vendors, implementing a waste-to-energy directive, engaging the entire workforce, and tracking metrics.

In fiscal year 2013, UniCarriers Americas recycled over 3.8

million pounds of waste and generated over \$360,000 from these recycling efforts.

The company has made huge strides in its sustainability efforts. In 2007, when UniCarriers Americas began its efforts in earnest, its waste-to-landfill ratio was 92.5 pounds per truck. Today that number is zero.

Village of Hoffman Estates

Through staff and community collaboration, the Village of Hoffman Estates developed a Sustainability Plan that captures a snapshot of the Village's environmental and efficiency efforts to-date and offers a continued organized approach to undertaking future sustainability projects and programs. The Plan focuses on environmental impacts, creating efficiencies, and maintaining the long-term fiscal health of the Village. Plan projects are implemented by both Village staff and volunteer resident commissions at the direction of elected officials. After the first full year of implementation (2013-2014), the Village completed twenty-four of thirty-two projects selected for initiation in 2013, and initiated an additional thirteen projects, planned for completion in 2014. Projects and programs include achievable objectives such as promotion of the residential energy assessment program, improvements to Village facilities and processes, use of technology to spur sustainable development, and support and engage existing businesses with resources and tools to help them approach and finance sustainability projects. Actions undertaken in the 2013 Plan have resulted in nearly \$700,000 in grant funds, reduced carbon emissions by 1,800 metric tons, and reduced electricity usage by 180,000 kilowatt hours. In an era of economic disparity and reduced funding,

the Village has been innovative in its efforts to reduce environmental impacts and inspire sustainable behaviors in residents and businesses through its measured approach to maintaining quality of life in the community and workplace. Through implementation of the Sustainability Plan, the Village has seen a comprehensive approach to sustainability, developing from a written plan to an all-encompassing Sustainability Program. Steps that the Village is taking through this process are replicable, practical, and generally very cost-effective.

Village of Rosemont's MB Financial Park – Rosemont

“Green For A Reason” is the motto of the Village of Rosemont’s waste reduction program, launched at the Allstate Arena in 2009. Its municipally owned and managed convention, entertainment and sports facilities host a total of 18 million visitors annually, giving this unique community the opportunity to impact a population which includes – but extends FAR beyond - its residents.

In 2012, the Village of Rosemont repurposed a municipal property originally developed to house a casino. While converting this complex to an entertainment district, significant resources were allocated to ensure that the facility’s infrastructure would support a comprehensive waste diversion strategy for park activities and those of its tenants. In 2013, this public-private partnership succeeded in implementing a model of municipal sustainability: MB Financial Park and its 8 tenants diverted over 440 tons from landfills, including 210 tons of mixed recyclables, 126 tons of food scrap, 52 tons of cardboard and 52 tons of spent grain - recycled as cattle feed. Beyond the numbers, education in Resource Recovery penetrated MB Park’s

partner organizations, from the top down, and out into the public at large. For the 1,000 employees coming to MB Financial Park each week, and the well over a million entertainment-seekers visiting annually, the MB Financial Park at Rosemont's exposure for and access to a reliable recycling and composting program is an achievement we hope will be replicated throughout the state of Illinois.

Illinois Campus Sustainability Compact Awards Program

The Illinois Campus Sustainability Compact outlines environmental goals that colleges and universities throughout Illinois may adopt on their campuses. The Compact includes objectives such as purchasing renewable energy, implementing green building practices, developing sustainable transportation options, improving water conservation, and incorporating sustainable dining practices. Campuses are recognized at the Bronze, Silver or Gold level.

More information can be found at green.illinois.gov.

College of Lake County – Grayslake

Gold

The College of Lake County (CLC) has a history of valuing and practicing sustainability, with its restored natural areas, student farm, education programs, Environmental Action Committee, sustainability professionals, and community outreach. CLC signed on to the American College and University Presidents' Climate Commitment in 2009 and became a Sustainability Tracking, Assessment & Rating System™ (STARS) charter participant in 2010. CLC is a founding member of the Illinois Green Economy Network

(IGEN), which promotes the development of workforce training programs and the green economy.

CLC's Sustainability Plan establishes its priorities for moving ahead, action items to achieve, and performance metrics to measure. The Plan serves as a roadmap for translating CLC's vision for sustainability into reality, integrating sustainability into the daily operations across the three campuses, throughout curriculum development, and among community relations. The Sustainability Plan's priorities continue to be evaluated as the action items and performance metrics are recorded and updated annually.

CLC is in the process of implementing its Sustainable Master Plan, a blueprint for increasing efficiencies on the three campuses through 2018. The Master Plan calls for retrofitting existing structures, LEED certified new construction, and developing renewable energy onsite. These improvements will address many of the priorities and action items identified in the Sustainability Plan.

Columbia College Chicago

Gold

Columbia College Chicago is dedicated to transforming its urban campus in the South Loop into a model for environmental sustainability. The college drafted their climate action plan, the Sustainability Roadmap in 2010, outlining key areas from energy, to waste, to academics.

Columbia is a founding member of the Alliance to Retrofit Chicago Higher Education, and in part joined Retrofit Chicago's Commercial Buildings Initiative. As a member of the Chicagoland Network of Sustainability in Higher

Education, Columbia participated and assisted with the planning of the first Chicagoland Bike 2 Campus Week. Columbia is also an American College & University Presidents' Climate Commitment (ACUPCC) signatory. These commitments support goals of reducing energy usage and waste minimization.

Columbia's newest endeavor, the Papermaker's Garden established in 2012, is an interactive field laboratory where students in the Interdisciplinary Arts program receive hands-on education from growing, harvesting, and utilizing plant fibers in arts practice.

Elmhurst College

Silver

Elmhurst College began its sustainability initiatives in 2009, with the development of a Sustainability Plan and the formation of a Sustainability Committee to implement it. A multipronged approach was taken. Two student organizations, the Greenjays and the Living Green Team, were formed and became key campus contributors to their efforts. The College committed to conducting greenhouse gas surveys every third year, and has honored that commitment. The College also has worked to conserve resources by implementing retrofit programs for just about everything, from light fixtures and water fountains to shower heads and toilets. These and other programs continue.

In 2014, Elmhurst College's Sustainability Plan was revised to coincide with the new Strategic Plan. The revised Sustainability Plan addresses the College's innovative cafeteria food scrap composting program, and its commitment to expansion of it in the future. A five-year

program aimed at reducing paper use on campus has been implemented, with a target is to reduce paper use by 5% annually through 2020. Their second greenhouse gas survey, in 2013, showed a 12% reduction in carbon footprint. The College also aimed to reduce water consumption by 5% annually from 2009 through 2017, and has been on-track and continues to stay on-track through mid-2014. Elmhurst College is well on its way to green future.

William Rainey Harper College – Palatine

Bronze

Harper College is committed to reducing environmental impact across campus to ensure a healthy, sustainable future at Harper and beyond. The college has developed a Climate Action Plan to address action items leading the campus toward carbon emissions neutrality. In the summer of 2014, Harper hired its first sustainability coordinator to organize sustainability initiatives across campus and to carry out the action steps stated in the Climate Action Plan. Harper College has adopted a policy to ensure all new buildings and renovations are built to LEED Silver standards, and the college will dedicate its first LEED Silver certified building, the Career and Technical Education Center, in 2015. Currently, Harper is beginning a rigorous update to the campus recycling program to divert more waste from entering Illinois landfills. Harper has installed an electric vehicle charging station that accommodates two electric vehicles, and actively educates the campus community about sustainability through monthly newsletter articles and web and social media updates.

Knox College - Galesburg

Gold

As an educational institution, Knox has designed many key sustainability initiatives that build and reinforce habits of sustainability for students, visitors, and employees of the campus. A comprehensive composting program diverts 95% of the organic waste from the campus dining venues. Last spring's commencement ceremony and luncheon was the first Zero Waste event on campus, and Knox has expanded this program with internal training on waste-free planning, and pedagogical waste stations at most special events. The campus also supports a community Free Store, which integrates with an active waste diversion campaign during end-of-year move-out. During the 2014 campus move-out, 11 tons of materials were diverted from the landfill by this effort, including 9 tons of useful materials that were shared with community charity shops and made available to students in need, through the Free Store.

Sustainability initiatives at Knox are highly participatory. The Knox Farm, operated by students and volunteers, has provided almost 2000 pounds of produce for the dining hall this year, and the College even preserves tomatoes all summer, for serving in the fall. The Knox College bike shop is staffed by student mechanics and provides bicycle repair services for students, as well as a loner fleet of 60 bicycles for student use.

Knox College's commitment to sustainability also extends to operational best-practices. Knox has water and energy conservation initiatives in place, and energy efficiency standards for all building renovations and new construction. An electric vehicle and charging station for public vehicles was

installed in the fall of 2013. In May of 2014, the campus began to purchase 100% renewable electricity.

North Central College – Naperville

Bronze

At North Central College, sustainability is the collective effort of students, faculty, staff and visitors working toward the development of a socially just, environmentally responsible and economically functional campus community. Successful projects include the LEED Silver-certified Residence Hall/Recreation Center, Community Garden, Kaufman Dining Hall and The Cage composting project, Cardinal Red Bike Program, electric vehicle charging stations, LED lighting, many recycling initiatives and much more. North Central is included in “The Princeton Review’s Guide to 322 Green Colleges,” which acknowledges North Central as one of the most environmentally responsible colleges and universities in the United States and Canada.

Oakton Community College – Galesburg

Bronze

Oakton Community College is committed to sustainability across its campuses and operations. Established in 2007 as a direct result of strategic planning, the Green Committee reports directly to the President in an effort to highlight existing green initiatives and guide sustainable decision making. The position of Sustainability Specialist was recently created and filled in 2014 with the intent of coordinating green efforts across the College, identifying new opportunities in sustainability and further engaging the community in these efforts.

Since the Green Committee's inception, Oakton has introduced a number of initiatives including: development of two community gardens, installation of a photovoltaic array for solar energy production, "near-zero" waste events for students and staff, two waste reduction studies and construction of a new Science and Health Careers building, built to meet LEED standards at the Gold level. Oakton continues to look for opportunities to increase its efforts with a focus on waste reduction, green curriculum development, student engagement and habitat preservation.

Prairie State College - Chicago Heights

Gold

Prairie State College (PSC) is committed to improving and protecting the environment, while promoting fiscal and social responsibility. To this end, the college serves a model of sustainability for its district, educating students and the broader community about the pressures on the global and local environment, while increasing awareness of the green economy and addressing social issues in our community to ensure a quality of life for future generations that is greater than the present.

PSC's sustainability center was launched in 2011, and serves as a resource for students, faculty, staff, and community members interested in sustainability, including the emerging green economy, green jobs training, and energy efficiency. Since the center's inception, a number of initiatives have been implemented at PSC including: development of a community garden; installation of an energy dashboard system, seven bottle filling stations, and two electric vehicle stations; designating eight parking spots for low

emission vehicles; signing the Department of Energy Workplace Charging Challenge Pledge; creation of a faculty sustainability committee and student sustainability club; a waste audit and modification of the recycling program; and a number of various events and activities to engage the campus community. PSC actively participates in several local, regional and national organizations to promote awareness of sustainability initiatives taking place at and around campus. Through a coordinated effort, PSC will continue to identify opportunities to integrate sustainability into the daily operations of the college.

CONFERENCE GREENING ELEMENTS

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

For today's event we have arranged for:

- Locally-farmed chicken and trout on the menu
- Recycling collection in public areas and guest rooms
- Collection of kitchen scraps and leftovers for composting
- Coffee and tea served in reusable mugs
- Food, condiments, and snacks served on reusables wherever possible
- No single-serve beverage containers

Hyatt Regency Chicago has the following best-practices in place at their facility:

- Ability for guests to reuse towels, bedding and toiletries
- Donation of leftover soaps and shampoos
- E-waste and universal waste collected for recycling

- Water efficiency efforts including low-flush toilets and water-efficient showerheads
- Dimmer switches and motion sensors in areas of periodic use
- High accessibility to mass transit



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ILLINOIS
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN