

<b>Award Category</b>	<b>Green Information Technology</b>
<b>Agency</b>	Illinois Department of Central Management Services (CMS) – Bureau of Communication and Computer Services (BCCS)
<b>Acknowledgements</b>	EPASS Team Members: Bill Seagle, Todd Lutz, Hooi Too, Dong Hoang, Karl Thorpe, Stacey Davis, Valerie Bolinger, Rich Fetter BCCS Deputy Director, Mike Porter EAA Division Manager
<b>Summary</b>	<p>BCCS is working to reduce paper consumption by managing the Electronic Pay Stub System (EPASS), which delivers pay stubs electronically. BCCS implemented EPASS in order to eliminate the costs associated with mailing paper stubs to employees every pay period. EPASS is a secure, easy to-use web-based tool that utilizes encryption and password management to ensure the protection of sensitive pay information. EPASS also maintains historical pay stub information for seven years from the date of implementation.</p> <p>EPASS is currently being used by 13 agencies, which represents more than 10,600 employees or approximately one-fifth our state employee workforce. BCCS will continue to roll out EPASS in FY11. At this time, 7 additional agencies are in the process of transitioning to the EPASS system.</p> <p>The agencies using EPASS have: eliminated the hassle and expense of paper and printing supplies; reduced costs of postage, materials, and time required to reproduce lost pay stubs; streamlined workflow and increased productivity by administrative personnel; and reduced storage costs by eliminating paper copies. These savings yield environmental benefits in terms of reduced paper consumption, energy use, and transportation fuel use.</p>

<b>Award Category</b>	<b>Waste Reduction &amp; Recycling</b>
<b>Agency</b>	Illinois Department of Central Management Services (CMS) – Bureau of Property Management (BoPM)
<b>Acknowledgements</b>	Curtis Howard, Director James Sledge, Ken Sharkey, Nick Kanellopoulos, David Ross (DCEO Division of Recycling & Waste Reduction)
<b>Summary</b>	<p>This past spring, the CMS Bureau of Property Management successfully established a comprehensive new electronic scrap recycling program for state agencies. In contrast to the prior program, under which agencies had to pay significant fees to recycle electronic items, the new program allows agencies to do so at no charge, which encourages higher recycling rates and has a “zero dollar” impact on state finances.</p> <p>CMS executed contracts with two State Use vendors to perform the service of de-manufacturing the state’s e-waste. Agencies now deploy scrap electronics to the State Armory in Springfield and the Suburban North Facility in Des Plaines. The State Use vendors pick up electronics weekly for disposal from these locations. The two vendors provide job opportunities and employ persons with disabilities to perform the recycling services. Both companies have achieved recycling certifications by meeting industry standards and state and federal compliance with all environmental regulations for responsible disposal of the state’s electronics.</p> <p>From April to October this year, the state has responsibly disposed of over 25,000 computers, monitors, printers, fax machines, and other electronics through this new program. The initiative has resulted in immediate and substantial savings to the State of Illinois, including:</p> <ul style="list-style-type: none"> <li>• Over \$300,000 in recycling savings from using State Use vendors</li> <li>• Over \$200,000 in savings from performing data removal internally</li> <li>• Over \$500,000 in savings from reduced transportation and packaging</li> <li>• In total, over \$1 million in savings to date as a result of this new electronic scrap recycling program.</li> </ul>

<b>Award Category</b>	<b>Water Quality &amp; Conservation</b>
<b>Agency</b>	Illinois Department of Transportation (IDOT)
<b>Acknowledgements</b>	Matt Hughes, Steve Massey, Dominic Meneghetti, Deni Wilson, Secretary Gary Hannig, Ann Schneider, Krista Evensen, Illinois Correctional Industries
<b>Summary</b>	<p>IDOT is conducting a rain barrel decorating competition for elementary schools throughout the state. The competition, which uses rain barrels provided by Illinois Department of Corrections/ Illinois Correctional Industries, calls for 45 creative designs to be chosen from participating Illinois schools as an effort to promote water reuse practices and awareness of green infrastructure benefits, while enhancing artistic abilities.</p> <p>The rain barrel decorating competition is an excellent opportunity for science and art classes to participate in a program that will enhance lesson plans on the importance of sustainability and the environment.</p> <p>All Illinois schools, grades Kindergarten through 5, are eligible to participate. The winning schools will receive a rain barrel to decorate and utilize at no cost to the school. The school will also be designated as an IDOT Green Partner. Rain barrel design entries are to be received by IDOT by February 21, 2011. The competition will culminate with the display of winners' decorated barrels on Earth Day April 22, 2011.</p>

<b>Award Category</b>	<b>Green Office Practices</b>
<b>Agency</b>	Department of Commerce and Economic Opportunity (DCEO) – Springfield Office and the Division of Recycling and Waste Reduction
<b>Acknowledgements</b>	David E. Smith, DCEO employees in the Springfield Office who participated in the initiative
<b>Summary</b>	<p>This past summer, when the DCEO Springfield Office moved to its current location in the Ridgely Building, the Division of Recycling and Waste Reduction established a program to recycle books that would otherwise be discarded in the process of cleaning out offices. Before the move date, David Smith put out a call to have hardcover books set aside for recycling. The response to this initiative was great, and many employees throughout the agency contributed to the success of the effort by setting aside books when cleaning out their own offices and files.</p> <p>Employees set aside a total of approximately 125 boxes of material. About 100 of the boxes contained soft-cover books and other bound materials (e.g., sheets in binders) that could be added to the recycling bin after a bit more processing. This included taking paper out of binders, tearing larger soft cover books into smaller chunks, culling out computer disks, and removing items from shrink wrap. David was also able to donate a few boxes of soft-cover and some hardcover books to the local library for their fundraising sale. The remaining 25 boxes of hardcover books went to a recycler.</p> <p>Each box weighed an estimated average of 50 pounds. Accordingly, this initiative allowed for about 3 tons or 6 cubic yards of additional paper to be recycled. While this undertaking took more effort than originally anticipated, it was well worth it because the material did not end up in the landfill.</p>

<b>Award Category</b>	<b>Green Facilities Operations &amp; Management</b>
<b>Agency</b>	Department of Corrections (IDOC) – Illinois Correctional Industries (ICI) at Mendard
<b>Acknowledgements</b>	Chris Grissom, Dave Sapp, Tim Gleason, Dave Rednour, Sal Raymond
<b>Summary</b>	<p>In a cooperative effort with the Warden and staff of Menard Correctional Center, ICI established vegetable and herb gardens as a pilot project on the grounds of the correctional center. The local foods procurement goals in the recently-passed Food, Farms and Jobs Act prompted ICI to ask themselves “Why aren’t we growing our own?”</p> <p>In early spring 2010, ICI identified suitable areas for garden plots and started seeds in a recovered and repaired hoop house on the Menard grounds. After seeds began to sprout, they were planted in the freshly tilled soil behind the complex. Some of the sprouts were also used to help start the new garden project at the Executive Mansion in Springfield.</p> <p>ICI harvested produce from the plots throughout the summer, and were still harvesting cold winter crops as of November 1. Hundreds of bushels of harvested fresh produce supplemented the menus of the meals prepared daily for both offenders and staff.</p> <p>The value of this pilot project was immediately apparent based on the huge buy-in and support of the concept by both staff and inmates. Although establishing gardens “behind the fence” of a correctional facility presented a number of challenges from a security standpoint, staff were so vested in the concept that they adopted an attitude of “we’re going to make sure it succeeds.” Looking ahead, ICI is considering methods for quantifying the cost savings from the garden harvest and other locally procured foods.</p>

<b>Award Category</b>	<b>Sustainable Transportation</b>
<b>Agency</b>	Illinois Environmental Protection Agency (IEPA)
<b>Acknowledgements</b>	Associate Director Elmo Dowd, Kevin Greene, John Sherrill, and Pam Smith
<b>Summary</b>	<p>IEPA developed a carpool incentive program in response to a suggestion from an agency employee. The program was implemented in August 2009, and continues to operate successfully today.</p> <p>The program provides preferred parking spaces to carpools of two or more employees that commute at least three times per week to IEPA headquarters in Springfield. The purpose of the program is to reduce air pollution and conserve fuel by providing an incentive for employee ridesharing. The carpool group may include non-agency employees, provided their work destination is the Springfield area.</p> <p>There are currently 27 carpooling groups, ranging from 2 to 3 persons per group. IEPA surveyed the groups in October 2010 to estimate the environmental benefits and cost savings in the first year of the program. Twenty-one carpool groups responded to the survey.</p> <p>Based on the survey, program benefits included:</p> <ul style="list-style-type: none"> <li>• A reduction of \$135,929 in driving costs, which includes fuel, maintenance and depreciation</li> <li>• A reduction of 101 tons in carbon dioxide emissions</li> </ul>

<b>Award Category</b>	<b>Energy Efficiency &amp; Conservation</b>
<b>Agency</b>	Illinois State Toll Highway Authority
<b>Acknowledgements</b>	Angela LaPorte, Bryan Wagner, Tom Deldin
<b>Summary</b>	<p>The Tollway embarked on two energy reduction initiatives this year: one to reduce electricity and natural gas use at agency buildings, and the second to reduce fuel use by the agency fleet.</p> <p>The Tollway became a recipient of the Smart Energy Design Assistance Center's free technical assistance. SEDAC toured the agency's headquarters in Downers Grove, evaluated current energy systems, and provided a report recommending 17 energy cost reduction measures. To date, the Tollway has implemented three of the measures and requested funding for four more. They are also working with an outside consultant to conduct energy audits of 37 of the agency's facilities and to perform alternative energy assessments at five facilities. These studies are scheduled to be complete by the end of the year.</p> <p>In May 2010, the Tollway announced a fuel reduction mandate of 5% for the remainder of 2010 and 10% for 2011 and beyond. These targets were established to address rising fuel costs and budgetary constraints, environmental improvements, and the fuel reduction goals in Governor Quinn's Executive Order 11-2009. The agency convened a Fuel Reduction Task Force with representation from each department, identified savings strategies to achieve the 5% reduction, and successfully implemented these at the departmental level. Achieving the 10% reduction target will be more challenging, but the Task Force has already identified fuel savings through idling and speed reductions, and developed a Fuel Reduction Calculator to guide vehicle operators and managers. Tollway estimates that achieving the 10% reduction will save over 162,000 gallons of fuel; about \$400,000 in fuel costs; additional maintenance and repair costs; and ~3.3 million pounds of CO2.</p>

<b>Award Category</b>	<b>Energy Efficiency &amp; Conservation</b>
<b>Agency</b>	Illinois Department of Central Management Services – Bureau of Property Management (BoPM)
<b>Acknowledgements</b>	Donald Barnes, Cedric Collins, Gerry Downing (DCEO), Jerry Adams, Lisa Mattingly (CDB), Mohammed Haq, and the building operations staff
<b>Summary</b>	<p>The CMS Bureau of Property Management successfully completed the energy usage benchmarking of the Bilandic Building in Chicago – the first step toward achieving the goal of attaining ENERGY STAR qualification for all state-owned buildings, as set out in Governor Quinn's Executive Order 11-2009. The Bilandic Building, built in 1922, is one of the largest facilities in CMS' portfolio. In 2008 and 2009, CMS worked with the Illinois Capital Development Board to commission a full system overhaul and replacement of the building's heating and air conditioning equipment. This year's energy benchmarking project sought to prove quantitatively that the new system improved the building's energy efficiency while maintaining comfort standards.</p> <p>CMS began benchmarking the Bilandic Building six months after the system replacement. Uploading energy use data into the U.S. EPA's <i>Portfolio Manager</i> national benchmarking database revealed that after the equipment overhauls, the building achieved an overall efficiency score of 83 out of 100 points (50 is the national average). This entitles the building to be granted the U.S. EPA ENERGY STAR label for superior energy efficiency.</p> <p>CMS calculated that as a result of the mechanical system replacement in 2008-2009, the Bilandic's Energy Performance Score rose from 30 to 83, reflecting a 68% reduction in overall energy use. In addition, greenhouse gas emissions are computed to be approximately 43% lower than the Bilandic's pre-system-overhaul level and approximately 35% lower than the national average for similar buildings.</p>

<b>Award Category</b>	<b>Sustainable Education &amp; Outreach</b>
<b>Agency</b>	Illinois Department of Natural Resources
<b>Acknowledgements</b>	Natural Landscaping Committee Chair John Wilker and Members: Larry Budd, Mike Chandler, Herb Dreier, Ann Fletcher, Reinee Hildebrandt, Valerie Keener, Amy Madigan, Brad Powers, Gale Rampley, Scott Schuett, Dan Stephenson, Paul Vehlow, and Rachel Waggoner
<b>Summary</b>	<p>In the summer of 2009, IDNR began a planning process for natural landscaping at its Springfield Headquarters on the State Fairgrounds. The objectives of this initiative included environmental improvement, education, and economic value.</p> <p>The planning process itself was designed as an opportunity to educate both employees and the public about the benefits of natural landscaping practices. Planning kicked off with a charrette cosponsored with the Illinois Green Industry Association in July 2009 attended by several dozen distinguished landscape architects, arborists, engineers, and others. All costs were donated by partners.</p> <p>Charrette participants reviewed site plans and information about issues on the site – everything from urban and agricultural runoff into the ponds from the Fairgrounds, to erosion from rain runoff from the roof, to leveraging educational opportunities at highly visible and trafficked spots in and around the building. They also toured the grounds with IDNR staff and broke into small groups to generate alternative visions for improvement. Each vision was presented to the plenary group at a large session attended by IDNR’s senior leaders and many employees.</p> <p>The visions produced at the charrette were displayed at the 2009 Illinois State Fair in the IDNR Director’s Tent, and visitors were encouraged to fill out a survey voting for alternatives they favored. <i>Outdoor Illinois</i> Magazine featured articles on the process, and partner organizations showcased the effort on their websites.</p>

<b>Award Category</b>	<b>Sustainable Education &amp; Outreach</b>
<b>Agency</b>	Illinois Department of Agriculture
<b>Acknowledgements</b>	Director Tom Jennings, Mike Rahe, University of Illinois Master Gardeners, Lake Street Landscape Supply, Boys and Girls Clubs of Springfield, Christy Webber Landscapes, Illinois Correctional Industries-Menard, Burpee Home Gardens, Jacksonville FFA, and Fiskars Garden and Outdoor Living
<b>Summary</b>	<p>This past spring and summer, the Illinois Department of Agriculture and the Governor’s Office teamed up to plant an Executive Mansion Vegetable Garden as a cooperative volunteer project.</p> <p>The Mansion Vegetable Garden provides a visible example to the public of the Governor’s commitment to sustainable and natural local food production. It serves as a hands-on laboratory to educate students about the basics of gardening and the value of locally grown and harvested foods, particularly healthy foods that are highly nutritional and help combat childhood obesity.</p> <p>IDOA provided volunteer technical assistance with the location and layout of the garden. They also secured in-kind and direct support to provide plants, lumber, straw, tomato cages, stakes, and professional signage. This garden, as well as IDOA’s Community Garden on the State Fairgrounds, have served as models and stimulated interest in community gardens throughout the state. The Mansion Vegetable Garden project highlights just how hungry the public is for educational information regarding sustainable food systems, and their willingness to become actively involved in these public/private cooperative efforts.</p>

<b>Award Category</b>	<b>Sustainable Construction &amp; Renovation</b>
<b>Agency</b>	Illinois State Toll Highway Authority
<b>Acknowledgements</b>	Angela LaPorte, Steve L. Gillen, Bryan Wagner, Ross Benson with the Tollway; Jay Behnke with S.T.A.T.E. Testing, LLC; Debra Haugen and Chris Williams with Iowa State University
<b>Summary</b>	<p>Over the past 18 months, the Tollway led an effort to increase the use of recycled asphalt roofing shingles in hot-mix asphalt pavement. The Tollway jointly funded a study with the U.S. EPA that demonstrated that up to 5% recycled shingles can be used in hot-mix asphalt without sacrificing the durability or lifetime of the pavement.</p> <p>Based on these results, the Tollway collaborated with the Illinois EPA and industry partners to develop specifications for incorporating recycled shingles into hot-mix asphalt. Tollway and IEPA also worked together to establish management and operating procedures, and clarify permitting requirements, to enable recycled shingle processors to operate in Illinois.</p> <p>The Tollway hosted a Shingle Recycling Workshop attended by about 200 people, and for 2010, established three contracts that allow the option of using recycled shingles in asphalt pavement. In this first year of implementation, Tollway contractors used approximately 35,000 tons of hot-mix asphalt containing 5% recycled shingles.</p> <p>The new specifications and procedures not only divert a valuable, recyclable material from landfills, resulting in cost savings for asphalt production. They also create a new market – and new jobs – in Illinois for businesses to process recycled shingles for hot-mix asphalt suppliers.</p>

<b>Award Category</b>	<b>Green Procurement</b>
<b>Agency</b>	Illinois Department of Central Management Services – Division of Vehicles, Bureau of Strategic Sourcing & Procurement (BOSSAP), Surplus Property Division
<b>Acknowledgements</b>	Barb Bonansinga, Alicia Hawkins, Carl Spath, Kate Tomford (DCEO), Eric Heineman (GOV), Ken Sharkey, Curtis Howard, Brett Barnes, Karen Cook, All State Agency Vehicle Coordinators, All Division of Vehicles Staff
<b>Summary</b>	<p>Various departments within CMS including the Bureau of Strategic Sourcing &amp; Procurement (BOSSAP), the Division of Vehicles, and Surplus Property have worked closely together over the past year to establish policy and provide tools necessary to achieve reductions of petroleum fuel consumed as a result of the transportation of state employees carrying out state business.</p> <p>A key achievement in this area is the pending award of the state's first contract for car-sharing coordinated by BOSSAP and Vehicles. Car-sharing is a third-party service that state employees will be able to use for short-term travel needs. The vehicles are owned, maintained, insured, fueled and managed by the third-party, allowing the state to pay per use.</p> <p>CMS developed an RFP that specifically called for the car-sharing company to provide fuel-efficient, low emissions vehicles, including plug-in electric vehicles. Car-sharing vehicles will be located in both Chicago and Springfield, with the goal of allowing employees to commute between the cities by Amtrak, but have access to a vehicle once they arrive. BOSSAP is in the final stages of the proposal review process, and aims to have the contract in place for 2011.</p> <p>In addition to establishing the first car-sharing contract, CMS, Vehicles also continued to coordinate the process of replacing older, inefficient fleet vehicles with E85, hybrid, and biodiesel models toward the goal of converting the entire fleet by 2015. By the end of the current fiscal year approximately 49.15% or 6,038 fleet vehicles will be</p>

E85, biodiesel or hybrid powered. E85, biodiesel capable and hybrid vehicles are available as a result of BOSSAP vehicle contracts and fleet vehicle policy guidance. Some of the more recently acquired E85 vehicles are available as a result of Surplus Properties' Used GSA vehicle program. Agency Vehicle Coordinators have supported the move toward biofuels and more efficient, lower emission fleet vehicles at the agency level making these initiatives successful.