

**2009 GREEN GOVERNMENT AWARDS**

<b>Award Category</b>	<b>Green Procurement</b>
<b>Award Winner</b>	<b>Illinois Department of Central Management Services – Bureau of Strategic Sourcing and Procurement (BOSSAP)</b>
<b>Accomplishments</b>	<p>This year, Jan Morrow and her team at CMS BOSSAP conducted a first-ever statewide Invitation for Bid (IFB) that combined waste disposal and recycling services. Previously, the State’s waste hauling was very fragmented with a patchwork of contracts across state buildings, and recycling was not available everywhere. The new IFB established contracts that greatly expanded recycling of waste for all of the buildings throughout the State.</p> <p>With the focus of two committed vendors, the State should be able to leverage a more uniform, standard message to change behaviors and practices. Being mindful of the goal for more sustainable practices, the BOSSAP team made sure that the pricing evaluation was weighted to favor vendors that could provide both waste and recycling services rather than only waste removal. They also wanted to enlist the vendor’s resources in shifting employees’ output from waste to recycling.</p> <p>The new contract provides for six-month usage audits that will be valuable in helping state agencies to comply with waste tracking and reduction goals in Governor Quinn’s Executive Order 11. Initial annual savings of \$78,000 for just CMS are expected to grow as there is a shift to more recycling. More roll-out and implementation is planned over the coming months.</p>

<b>Award Category</b>	<b>Green Information Technology</b>
<b>Award Winner</b>	<b>Illinois Department of Central Management Services – Bureau of Communication and Computer Services (BCCS)</b>
<b>Accomplishments</b>	<p>BCCS continues to drive toward several Green IT objectives, including: conserving power, reducing energy waste, reducing or eliminating paper consumption, cutting costs, increasing efficiency, and eliminating toxic emissions.</p> <ul style="list-style-type: none"> <li>• Desktop Computer Power Management Software has been implemented on 15,000 desktops and will be deployed to the remaining 20,000 devices over the coming year. This feature alone has saved over \$600,000 annually in electrical usage across the 15,000+ PCs and laptops in CMS’s consolidated and managed enterprise.</li> <li>• Through Data Center Server Consolidation and Virtualization, BCCS has reduced the number of servers used by 13 agencies by a ratio of 8 to 1. Energy cost savings is calculated to be about \$145,000 per year.</li> <li>• BCCS promotes the use of Video Conferencing Services. Currently 30 agencies, boards and commissions have 220 video conferencing rooms statewide.</li> <li>• Illinois Wireless Information Service (IWIN) allows agency, university and local field staff and public safety officers the opportunity to complete their “paperwork” electronically from their automobiles, instead of making an extra trip to the office, which reduces emissions and paper usage.</li> <li>• Over the last year, BCCS has implemented electronic reports and paper printing reductions that have lowered paper consumption by 1-2 million pages per month, primarily through the use of the Mobius system. Also to date, four managed state entities, or 2,224 employees, are participating in the Electronic Pay Stub program.</li> </ul>

<b>Award Category</b>	<b>Sustainability Education &amp; Outreach</b>
<b>Award Winner</b>	<b>Illinois Department of Revenue</b>
<b>Accomplishments</b>	<p>The Department of Revenue's Sustainability Committee chose to focus its 2009 efforts on educating its members on sustainability issues through extensive involvement, research and networking, with the goal of sharing that education with their employees to perpetuate the sustainability movement. Their informal strategies included:</p> <ul style="list-style-type: none"> <li>• Networking with other state agencies to support and learn from their efforts.</li> <li>• Having representation on each of the GGCC's sub-committees.</li> <li>• Polling employees to get a read on their sustainable practices and attitudes.</li> <li>• Educating employees on the benefits of using real china and dining-in to reduce the amount of Styrofoam in the Willard Ice Building's cafeteria.</li> </ul> <p>The "R U Green? Expo" was the centerpiece of the Revenue Sustainability Committee's achievements. It was a week-long exhibit in the Lobby of the Willard Ice Building in Springfield, emphasizing the 4 R's of Sustainability: Reduce, Reuse, Recycle and Rethink. It also marked the launch of the employee survey, and included a recycling drive that yielded 2,398 pounds of electronic devices and 450 pounds of batteries that were recycled rather than disposed of in a landfill. The Sustainability Committee plans to host this expo on an annual basis in the future and expand the scope to include guest speakers, contests/prizes and perhaps networking with other state agencies to add more items to the display information.</p>

<b>Award Category</b>	<b>Green Facilities Operations &amp; Management</b>
<b>Award Winner</b>	<b>Illinois Department of Agriculture</b>
<b>Accomplishments</b>	<p>The Illinois Department of Agriculture (IDOA) is successfully greening the operation and management of its buildings and grounds through a number of initiatives:</p> <ul style="list-style-type: none"> <li>• IDOA is installing 23,000 square feet of vegetated "green" roof, complemented by a white roof, which will help reduce stormwater runoff and lower building cooling costs. Pervious pavement sidewalks were also installed in a section of Watershed Park on the Illinois State Fairgrounds, and 26 rain barrels were placed throughout the Fairgrounds.</li> <li>• Director Jennings' idea to create a Community Garden on the Fairgrounds became a reality in May 2009. There were 121 plots requested by 84 gardeners, and many of the gardeners signed up for the Plant a Row for the Hungry Program. As of September, over 400 pounds of produce had been donated to local food banks through the program.</li> <li>• IDOA partners with other state and local agencies to host recycling drives at the Fairgrounds for materials including household hazardous waste, medications, and glass. They hosted a multi-county agricultural and structural pesticide clean sweep collection program that brought in a total of 5,574 pounds of unwanted pesticides. IDOA's pesticide container recycling program has collected and recycled over 2.2 million agrichemical containers since 1990.</li> <li>• In an effort to green the State Fair, IDOA worked with vendors to make the fair "Styrofoam-free" for the first time in 2009. The fair also recycled six more tons of material this year versus last year, reused manure for spreading on farmers' fields, and collected frying oil for conversion to biodiesel.</li> </ul>

<b>Award Category</b>	<b>Clean Energy</b>
<b>Award Winners</b>	<b>Illinois Department of Central Management Services Illinois Environmental Protection Agency</b>
<b>Accomplishments</b>	<p>This fall, CMS completed procurement arrangements to deliver 25% of electricity for executive agencies in the ComEd and Ameren service areas through renewable energy credits (RECs) over the next three years beginning in May 2010. The objectives of this procurement were to purchase electricity at a market-based rate to provide a stable and competitive cost for State government, and to establish the State of Illinois as a leader-by-example in using renewable energy while maintaining fiscal prudence. The initiative accomplishes both objectives, as the following metrics illustrate:</p> <ul style="list-style-type: none"> <li>• The procurement represents approximately 115,000 megawatt-hours of electricity delivered annually, which is 5 times the level we currently purchase.</li> <li>• The overall power purchased, including the “green” power premium, will reduce the State’s supply costs by \$6.8 million per year, or \$20.4 million through May 2013.</li> </ul> <p>Through a separate clean energy initiative, the IEPA worked with the City of Springfield to reach an Inter-Governmental Agreement for the State of Illinois to receive a major volume of Midwestern wind power. The wind power purchased through the city-state agreement helped to offset the environmental impacts of City Water Light and Power’s existing and then-proposed new power stations, which were critical for maintaining reliable electricity delivery. In FY 2009, the state used 56,000 megawatt-hours of electricity to serve all CMS-managed facilities in the Springfield area, and 100% of this power was from CWLP’s wind purchase.</p> <p>CMS, who signed the Inter-Governmental Agreement in May 2009, successfully negotiated the addition of a pledge of contributions totaling \$1.86 million in grant funding plus technical assistance for making energy efficiency upgrades to Springfield state facilities.</p>

<b>Award Category</b>	<b>Clean Energy</b>
<b>Award Winner</b>	<b>University of Illinois Extension – Christian County</b>
<b>Accomplishments</b>	<p>University of Illinois Extension – Christian County successfully installed and has now begun to utilize a green home heat and energy system in the local Extension office that is used as a research and demonstration site for green energy initiatives. The unique system has been modified to burn perennial grass pellets that are grown on a small U of I research and demonstration farm in Christian County.</p> <p>Local farmers and processors have been key stakeholders in the development of this system, thereby creating a green energy production model that demonstrates how Illinois farmers and small businesses can capitalize on some of the many agronomic, economic, and environmental improvement opportunities of renewable energy.</p> <p>Elements of the project have been shared with over 1,500 Illinois high school students, used as an integrated learning site for over 450 youth and adults, served as the focal point of discovery in over \$8,000 in primary and secondary education grants, and become a foundation for regional and national education and outreach projects and proposals.</p>

<b>Award Category</b>	<b>Sustainable Construction</b>
<b>Award Winner</b>	<b>Illinois State Toll Highway Authority</b>
<b>Accomplishments</b>	<p>During 2008 and 2009, the Engineering Department of the Illinois Tollway designed and initiated the reconstruction of over 15 miles of the Jane Addams Memorial Tollway (I-90) in the Rockford area. The project involved extensive material research work, on-site pavement recycling, and use of additional recycled materials from off-site sources.</p> <ul style="list-style-type: none"> <li>• All of the existing pavement – over 450,000 tons of existing concrete and asphalt – are being recycled back into the new pavement. This equals over 20,400 truckloads of material not sent to local landfills.</li> <li>• All of the existing concrete pavement and structures are crushed and processed for reuse on-site, keeping heavy trucks off of local roadways.</li> <li>• The top two layers of asphalt pavement use ground tire rubber in the stone matrix asphalt mixture. The amount of ground tire rubber used on this project is equivalent to over 300,000 tires.</li> <li>• Use of warm-mix technology allows the asphalt mixture to be placed at a lower temperature (50F lower), reducing production energy costs and reducing the carbon footprint of the mixture.</li> <li>• Test sections were placed using reclaimed asphalt shingles in different types of asphalt mixtures. Over 300 tons of tear-off shingles were used in these mixes – the equivalent to the roofs from 75 homes.</li> </ul> <p>These amounts of recycled materials are the result of several years of research performed by the University of Illinois to ensure that the recycled asphalt materials do not impact the long-term life of the pavement.</p>

<b>Award Category</b>	<b>Waste Reduction &amp; Recycling</b>
<b>Award Winner</b>	<b>Illinois Environmental Protection Agency</b>
<b>Accomplishments</b>	<p>Over several years, employees informally developed various areas within the Illinois EPA offices as places to take surplus/unwanted office supplies that could be used by other employees. In the summer of 2009, IEPA was challenged to reorganize their Headquarters facility to make space for state employees from a different agency. While implementing this reorganization, the surplus supplies areas became inundated with excess binders.</p> <p>A dedicated group of IEPA employees undertook a variety of tasks to find homes for the growing amount of surplus binders. These efforts included:</p> <ul style="list-style-type: none"> <li>• Calling and contacting local schools and not-for-profit organizations to see if they wanted any of the binders;</li> <li>• Coordinating the pick-up of binders;</li> <li>• Separating binders by size and boxing them up;</li> <li>• Moving binders from the surplus supply areas to the loading dock; and</li> <li>• Helping load boxes into vans and trucks.</li> </ul> <p>These efforts proved to be very successful as approximately 3,500 binders ended up being donated for reuse. Springfield's School District 186 schools received the majority of these binders (about 2,500) with the remainder going to other teachers, schools and not-for-profit organizations.</p>

<b>Award Category</b>	<b>Water Quality &amp; Conservation</b>
<b>Award Winner</b>	<b>Illinois Department of Corrections – Illinois Correctional Industries</b>
<b>Accomplishments</b>	<p>At the 2008 Sustainable Government Symposium, an idea was hatched for the Illinois Correctional Industries to convert 55-gallon containers to rain barrels. ICI ran with the initiative and has now refitted and placed over 500 rain barrels at sites across Illinois, including the Executive Mansion, the Fairgrounds, and many state agencies.</p> <p>ICI's rain barrel program is an impressive example of a "win-win-win" program – with benefits for the environment, budgets, and jobs training – and collaboration among many different state agencies, educational organizations, and partners in local governments. The first converted barrels were originally containers in which Corrections received fruit juice concentrates. Rather than shredding and recycling the plastic, ICI now cleans and refits the barrels with attachments to make rain barrels. The refitting is done by inmates, who gain green jobs skills in the process. Finally, the new rain barrels are installed to catch roof runoff from buildings, and the collected rainwater is used to water gardens and plantings. This conserves potable water, which is energy-intensive to treat and pump, and helps keep storm water from flooding the sewer system.</p> <p>ICI's Rain Barrel project was highlighted by Governor Quinn on Earth Day as he signed Executive Order 11, which set in place broad sustainability measures and goals for Illinois state government. The project is one of many sustainability programs that ICI has implemented, including recycling, collecting waste vegetable oil collection and converting it to biodiesel, manufacturing green cleaning products, restoring and refurbishing used furniture, and constructing recycling bins.</p>

<b>Award Category</b>	<b>Sustainable Transportation</b>
<b>Award Winner</b>	<b>Illinois Department of Transportation</b>
<b>Accomplishments</b>	<p>The Illinois Department of Transportation is making sustainability strides both on and off the highways.</p> <ul style="list-style-type: none"> <li>• Their fleet now includes 741 alternate fuel vehicles, 36 gas/electric hybrids, and 1 E85/electric, and 100% of the diesel fleet burns biodiesel.</li> <li>• For a recent project on the Bishop Ford (I-94), recycled shingles made up about 5% of the 22,000 tons of mix used for the surface and binder.</li> <li>• Secretary Gary Hannig created the position of IDOT Sustainable Practices Manager to identify sustainability and resource savings opportunities, and to insure compliance with the law and Executive Order 11. The position also performs long-term planning and makes policy recommendations to executive staff. Steve Massey was appointed to the position.</li> <li>• IDOT is greening rest areas and welcome centers through the use of green cleaning products and installation of rain barrels made by Illinois Correctional Industries.</li> <li>• IDOT worked cooperatively with PrePass and the Secretary of State's Office to distribute information to truck license applicants and holders on PrePass, a transponder system that reduces engine idling by allowing trucks to bypass weigh stations.</li> <li>• IDOT initiated and worked cross-departmentally with the Department of Natural Resources to plant over 250 oak trees at Illini State Park. The trees memorialized fallen Illinois soldiers from the Iraq and Afghanistan wars.</li> </ul>

<b>Award Category</b>	<b>Sustainable Transportation</b>
<b>Award Winner</b>	<b>Illinois Department of Natural Resources</b>
<b>Accomplishments</b>	<p>The Illinois Department of Natural Resources developed a model program in agency fleet management. IDNR's Motorpool Management System, managed by Rick Winningham, has consolidated multiple facilities in one central location and developed a vehicle database to track location, monthly mileages, personal assignments, and other information. An email request system allows for greater accountability, cost savings, and coordinated travel or carpooling. The system also enables the Director's Office and Office Directors to confirm employees' travel plans, destinations, and purposes. To date the program has achieved significant environmental and economic results, including:</p> <ul style="list-style-type: none"> <li>• Improved efficiencies that allowed for fleet size to shrink from 56 vehicles to 36 vehicles; 24 of these are E85 compatible.</li> <li>• Overall reduction in personally assigned vehicles.</li> <li>• Travel coordination across different levels of the agency.</li> </ul>

<b>Award Category</b>	<b>Sustainable Transportation</b>
<b>Award Winner</b>	<b>Illinois Department of Central Management Services – Division of Vehicles</b>
<b>Accomplishments</b>	<p>The CMS Division of Vehicles has worked diligently toward the sustainable transportation goals established by Governor Quinn's Executive Order 11, including reducing the state's consumption of petroleum-based fuels and increasing the use of alternative fuel, hybrid, and electric vehicles.</p> <p>The Division of Vehicles requires agencies to submit an Agency Fleet Request template when acquiring a new vehicle. The Division modified the template since Executive Order 11 and now includes carbon footprint, miles per gallon, vehicle size and type, and other information to better monitor the State's goal of reducing greenhouse gases and petroleum consumption. During the past year, the State's fleet has been reduced by 36 vehicles while the number of Hybrid and Alternative fueled vehicles has increased by over 240 vehicles or 2% of total fleet. Comparing FY08 to FY09, biodiesel capable vehicles increased almost 4%, E85 flex fuel vehicles increased almost 5% and Hybrids increased by about 30%.</p>