



ILLINOIS

Bruce Rauner, Governor

DEPARTMENT OF CENTRAL MANAGEMENT SERVICES

Tim McDevitt, Acting Director

November 1, 2018

To the Honorable Members of the General Assembly:

I am pleased to submit the Recycling and Recycled Paper Procurement Report for FY18 as mandated under the Illinois Solid Waste Management Act. The Department of Central Management Services (CMS) is committed to recycling paper, toner cartridges, scrap metals, electronic-waste, fluorescent lamps, high-intensity discharge (HID) lamps and aluminum cans. Additionally, many locations also recycle books, plastics, batteries and motor oil. The CMS I-Cycle program provides sustainable recycling services at State of Illinois facilities, creates jobs, reduces environmental impacts and serves as a model for other states.

In addition to recycling, CMS supports other green initiatives. CMS remains committed to supporting and assisting its client agencies in implementing and monitoring the results of capital upgrades and operational changes designed to improve energy efficiency, indoor comfort and indoor air quality. CMS purchases green fleet vehicles and supports electric charging stations. CMS requires the use of green cleaning products for internal and contractual janitorial service contracts.

I-Cycle monitors commodity prices and market conditions to ensure the best possible value for recycled material. Historically, China processed at least half of the world's exports of waste plastic, paper and metals. In 2018, China began banning the imports of 24 categories of solid waste, including plastics, mixed paper and waste textiles. These changes have resulted in lower markets for recyclable materials. The price for mixed paper has declined over 107% per ton since July 2017. Unless more domestic markets are established for recyclable materials, the value may not offset the cost to recycle. Many local recyclers are now charging to pick up mixed paper which may affect future state recycling contracts.

CMS is confident our programs will continue to increase the operational efficiency and environmental stewardship of the State of Illinois; contributing to the overall sustainability of state government. Your continued support of these initiatives and goals is very much appreciated.

Sincerely,

A handwritten signature in black ink, appearing to read "Tim McDevitt".

Tim McDevitt
Acting Director



Recycling & Recycled Paper Procurement Update

State Fiscal Year 2018

The following report identifies the sustainable practices undertaken in fiscal year 2018 by the Department of Central Management Services (CMS).

In Accordance with 415 ILCS 20/3 (From Ch. 111 1/2, Par. 7053), the Director of the Department of Central Management Services shall submit the following report to the Members of the Illinois General Assembly on or before November 1, 2018.

Central Management Services (CMS)
Tim McDevitt, Acting Director

I-Cycle Program

Created by the Solid Waste Management Act of 1986, the State of Illinois I-Cycle Program facilitates the recycling efforts of more than 225 state locations and 40,000 state employees. I-Cycle recycles and promotes recycling and re-use of; paper, electronic waste, cardboard, toner cartridges, aluminum cans, tires, fluorescent lamps, high-intensity discharge lamps, books, plastics, batteries and motor oil. Not all services are available or applicable at all locations.

I-Cycle's Recycling Website; www.Icycle.illinois.gov offers paperless documents for recycling services, bins, and signs upon request. I-Cycle provides information and education on recycling.

Paper Recycling

In FY18, the State of Illinois diverted over 3,500 tons of material (over 7 million pounds) from the waste stream. Approximately 1,850 tons of paper (3.7 million pounds) was recycled. The Illinois Correctional Industries recycled over 1,600 tons (3.4 million pounds) of cardboard, tin, plastics, pallets and waste vegetable oil. Actual statewide impacts are higher as not all recycling data is tracked and reported.

CMS recycling vendors can be broken down into regions with one of the largest areas being the Central Illinois Region. For this region, CMS has contracted with a local non-profit, United Cerebral Palsy (UCP) Land of Lincoln, who utilizes persons with disabilities in its workforce to collect and process paper and cardboard materials. UCP currently employs 26 people with disabilities at their Springfield facility.

The following tables show the breakdown of recycling vendors, service areas and reported weight of materials recycled:

FY18 State of Illinois Recycled Paper

Vendors	Service Area	FY18 Recycled Paper (Pounds)
ARC of Rock Island/Highland/Midwest Fiber	Rock Island, Champaign-Danville Areas	52,630
Center Stone Recycling	Carbondale and Marion Areas	20,872
Huron Paper Stock Recycling	Des Plaines Area	98,380
Independent Recycling Services, Inc	Chicago Area	1,162,210
Midwest Fiber	Revenue and Human Services Locations	216,381
Allied Waste/Republic	Statewide	583,090
Shred-It On-Site Shredding	Employment Security Locations	11,055
United Cerebral Palsy/Gone for Good	Central Illinois	769,800
Opportunity Secure Data Destruction	Statewide Shredding	790,075
Total		3,704,493

FY18 Illinois Correctional Industries Recycling

Vendor	Service Area	FY18 Recyclables* (Pounds)
Illinois Correctional Industries	Centralia, Danville, Illinois River, Menard, Vandalia, Logan, Western Regional, Shawnee	3,354,000

*Cardboard, Tin, Plastics, Pallets, Waste Vegetable Oil

Lamp Recycling

During FY17 and FY18, the State of Illinois participated in the Free Lights Program where free lighting equipment was provided for energy efficiency upgrades. As a result, during FY18, CMS recycled over 5 tons (11,000 pounds) of fluorescent lamps and ballasts in addition to other lighting material that wasn't weighed. This represents about 20% of the State of Illinois lamp recycling for FY18.

FY18 CMS Lamp and Battery Recycling

Material	Pounds	Quantity
Crushed Fluorescent Lamps	4,820	
Ballasts	6,254	
Batteries Lead/Calcium	257	
Fluorescent Lamps		2891
High Intensity Discharge Lamps		78
Totals	11,331	2,969

State of Illinois Surplus Program

CMS Property Control manages the State Surplus Property and the Federal Surplus Property programs where state agencies receive direct access to furniture, electronics, desks, bookcases, file cabinets, partitions, computer stands and other non-traditional supplies collected by the program. Approximately 95% of all office items are recycled by re-use throughout state offices.

In FY18 the State of Illinois recycled over 45,000 electronic items diverting over 450 tons of electronic waste from landfills. Recycled electronic items include, computers, laptops, servers, monitors, televisions, copiers, printers, hard drives, etc. A total 5,665 hard drives were wiped, removed, or destroyed in accordance with State of Illinois data destruction laws and rules.

Recycled Paper and Paper Products Summary

In FY18 CMS procured over \$4.4 million worth of paper products with an average recycled content of 70%. The following table summarizes the spend on recycled paper and paper products procured by CMS for state agencies during FY18. In addition to the office paper and envelopes purchased by the CMS Printing Unit, the Bureau of Strategic Sourcing (BOSS) purchases paper products such as toilet tissue, napkins, and paper towels for state agencies.

FY18	Non-Recycled Content	Recycled Content	Total \$	% Recycled Products
Printing Unit: Paper	1,232,073	416,656	1,648,729	25%
Printing Unit: Envelope	0	789,471	789,471	100%
Printing Unit Totals	1,232,073	1,206,127	2,438,200	49%
Other Paper Products	91,202	1,881,450	1,972,653	95%
Total	1,323,276	3,087,577	4,410,853	70%

Wind Power and Energy Efficiency

Approximately 14% of electricity used by the State of Illinois facilities is accounted for through wind power agreements. This translates into 47.8 MWh of electricity usage at a premium cost of \$1.32 million. The entirety of this voluntary purchase took place in the City of Springfield, in the final year of the 10-year Intergovernmental Agreement between the State of Illinois and City Water, Light and Power to purchase wind power at 100% of total usage. CWLP estimates that 47.8 MWh equates to a reduction of greenhouse gases of 52,380 tons of CO₂. The remainder of the state’s renewable energy purchase consists of the involuntary purchase of 6.5% of Ameren Illinois and ComEd power purchases.

In FY18, CMS and other state agencies received \$2 million in lighting upgrades through the Free Lights Program offered by ComEd. State facilities will see annual electric costs savings of over \$377 thousand in addition to reduced maintenance due to longer lamp life. Agencies participating in this initiative include: CMS, Human Services, Corrections, Tollway Authority, Veterans Affairs, and Military Affairs.

During FY18, CMS managed the State of Illinois participation in the PJM Emergency Load Response Program where the state earned compensation for providing verifiable load reductions during emergency load response program events. The state earned over \$156 thousand for participation in Demand Reduction and Energy Efficiency Programs.

CMS will continue deployment of energy efficiency programming for additional sites throughout the State pending availability of funds. CMS will also continue to work to benchmark State facilities through our mutual data tracking relationship with the University of Chicago - Energy Resources Center. This will allow CMS to monitor the outcomes of energy efficiency upgrades and to identify targets for future retrofits. CMS will continue to manage the procurement of electricity and natural gas supply and secure cost savings and risk-management strategies wherever possible.

Other Initiatives

CMS remains committed to supporting and assisting its client agencies in implementing and monitoring the outcomes of capital upgrades and operational practice changes designed to improve indoor comfort, energy efficiency, and indoor air quality standards.

All CMS janitorial vendor contracts require the use of green cleaning products. In addition, all CMS state-owned facilities that are cleaned by in-house staff are cleaned using green products procured through state-wide contracts.

Finally, as part of the Smart State Working Group, CMS Property Management is working in concert with the Capital Development Board and the Department of Innovation & Technology to identify opportunities to integrate "Smart Building Technologies" into the operations of facilities where economically feasible and beneficial. CMS Property Management is working with the Department of Commerce & Economic Opportunity and the Department of Innovation & Technology to post utility data for all monthly billing data feeds the state receives to monitor and track statewide costs, consumption and visualize trends. Future goals include annual energy reporting and benchmarking.

