

**COUNTY OF MILWAUKEE
INTEROFFICE COMMUNICATION**

DATE: August 27, 2013

TO: Supervisor Gerry Broderick, Chair, Parks, Energy & Environment Committee

FROM: Gordie Bennett, Sustainability Director, DAS-Facilities Management

SUBJECT: Status Update - Milwaukee County's Green Print (INFORMATIONAL)

Background

The Milwaukee County "Green Print" resolution was approved by the County Board of Supervisors and the County Executive in 2007. The attached table provides status updates on each of the 16 energy and conservation provisions included in the resolution.

Recommendation

No action requested. Informational only unless otherwise directed.

Prepared by: Gordie Bennett, Sustainability Director

Approved by:



Julie Esch, Director of Operations, DAS

Attachment: September 2013 Update - Milwaukee County's Green Print

Cc: Marina Dimitrijevic, County Board Chairwoman
Chris Abele, County Executive
Amber Moreen, Chief of Staff, County Executive
Kelly Bablitch, Chief of Staff, County Board
John Dargle, Jr., Director, DPRC
Laura Schloesser, Chief of Admin. & Ext. Affairs, DPRC
Scott Manske, Comptroller
Pam Bryant, Capital Finance Manager, Office of the Comptroller
Don Tyler, Director, DAS
Josh Fudge, Interim Fiscal and Budget Administrator, DAS
Daniel Laurila, Fiscal Management Analyst, DAS
Colleen Foley, Corporation Counsel
Jessica Janz-McKnight, Research Analyst, County Board

Stephen Cady, Fiscal and Budget Analyst, County Board
Gary Waszak, Interim Director, DAS-Facilities Management
Alexis Gassenhuber, Clerk, Parks, Energy & Environment Committee

September 2013 Update – Milwaukee County’s Green Print

Key: ● Met/meeting ◀ Making progress ○ Needs improvement

Focus Area	Provision	Progress Since January 2013
Performance Contracting / Construction	1. Adopt performance contracting to review and retrofit 20% of County public buildings annually with high-performance, energy efficient technology.	▶ As of January 2013, Milwaukee County has implemented guaranteed energy saving performance contracts (GESPCs) in 82 facilities consisting of over 5.5M gross square feet. Additional GESPC underway at the Community Corrections Facility South.
	2. After paying for performance contracting, allocate 50% of savings from energy conservation toward future energy efficiency projects.	○ As noted in previous Green Print status updates, action on this provision has been temporarily postponed.
	3. Require that county-supported construction projects meet Leadership in Energy and Environment Design (LEED) standards by 2008.	○ Milwaukee County continues to incorporate sustainable design into its construction projects. DOT-Airport is pursuing certification for the GMIA Baggage Claim Building Remodeling project under the LEED 2009 New Construction & Renovations rating system.
	4. Review storm water management plan with Milwaukee Metropolitan Sewerage District (MMSD) to reduce amount of storm water runoff from County facilities and adopt plans to manage runoff from new development projects.	● DOT is testing the use of permeable block mats on road shoulders to remove grit and pollutants from storm water runoff. In addition, the conceptual design of McKinley Marina paved surfaces integrates storm water best management practices throughout the site.
Resource Management	5. Examine potential use of "gray water."	▶ New greenhouses at Mitchell Park are being designed to include cisterns to capture and re-use rainwater.
	6. Place receptacles for recyclable materials in Milwaukee County Parks where applicable.	▶ In 2013, Milwaukee County has diverted approx. 30% of its municipal solid waste from the landfill. Milwaukee County's Recycling Team will re-convene starting fall 2013. The purpose of the team is to study and recommend cost-effective ways for decreasing waste generation and increasing reuse and recycling in County properties, including parks. The team last met in spring 2012.

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Alternative Energy	7. Create plan to return areas of park land, not actively used by the public, to native grassland and prairie reserve areas that require no physical maintenance or the burning of fossil fuels.	▶ Parks' Natural Areas Program has received four restoration grants this year. Grants will support installation of 52 acres of prairie plantings, 200 acres of invasive species control, aquatic invasive species inventories of 51 lagoons and 10.6 miles of lake front, expansion of pollinator garden at Juneau Park, and reforestation of 5 acres in Grant Park.
	8. Examine use of renewable energy sources such as wind and solar power for Milwaukee County facilities.	▶ To date, Milwaukee County has implemented 6 solar photovoltaic (PV) systems and 3 solar hot water systems. In total, the systems generate about 104,000 kWh of clean, renewable power per year – roughly equivalent to the electricity used to power 10 homes. A solar PV system is being integrated into Milwaukee Public Museum's new southern façade. The 98 kW system is expected to generate 102,000 kWh of solar power for the Museum.
9. Purchase, when applicable, new cleaner technology fleet vehicles that use alternative fuels such as bio-fuels, hybrids, and plug-in hybrids.	10. Seek grants for energy efficiency and renewable energy projects.	▶ MCTS is adding 55 new clean diesel buses to its fleet in 2013. Compared to older buses, clean diesel buses emit: 80% less particulate matter, 95% less oxides of nitrogen, and 88% less non-methane hydrocarbons. ● In 2013, Milwaukee County has applied for and received \$39,787 in energy efficiency and renewable energy incentives through Wisconsin's Focus on Energy. The projects supported by these incentives have helped the County avoid 166,244 kWh of electric use and 32,875 therms in natural gas use.

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<p>Education</p>	<p>11. Improve staff awareness of green initiatives and programs.</p>	<p>◆ Milwaukee County continues to raise environmental awareness in the community by hosting annual events like the Green Living Festival at Mitchell Park Domes, Earth Day celebration at Wehr Nature Center, and the Zoo’s Party for the Planet. Staff from DAS-Environmental Services and the Office of Sustainability gave presentations on the County’s innovative storm water, energy, and alternative fuel vehicle programs at regional and national conferences.</p> <p>The Office of Sustainability has established Facebook (MKECOSustain) and Twitter (@MKECOSustain) pages to inform staff and community members about these and other environmental stewardship efforts.</p>
	<p>12. Encourage staff to participate in education efforts that support green initiatives at work and home.</p>	<p>◆ In April 2013, Executive Abele launched the “Kill-a-Watt” Challenge to reduce Milwaukee County electricity use by 2% from May–October 2013. To date, electricity use in the County’s Top 20 most energy-consuming facilities (excluding the Courthouse Complex) is down by over 5% relative to 2012.</p>
<p>Staffing / Resources</p>	<p>13. Establish Sustainability Director position responsible for overseeing Milwaukee County energy and conservation initiatives and helping departments comply with Green Print provisions.</p>	<p>● Gordie Bennett became Milwaukee County’s Sustainability Director on February 11, 2013. He oversees the administration, development and management of County sustainability initiatives, including resource conservation programs such as the “Kill-a-Watt” Challenge. Gordie will re-convene and facilitate the County’s Recycling Team and Energy Management Team, and he serves as ex officio member of City of Milwaukee’s Green Team.</p>

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<p>Energy Efficiency Audits</p>	<p>14. Perform internal energy efficiency audits of County departments and report recommendations and initiatives that have already taken place.</p>	<p>▶ Total energy use (gas, electric, and steam) in Milwaukee County facilities was almost 10% less in 2012 compared to 2007, when the Green Print resolution was approved. During 2012, the County avoided over \$1.7M in energy costs through efficiency and conservation initiatives.</p> <p>Milwaukee County’s Energy Management Team will re-convene in fall 2013. The purpose of the team is to study and recommend cost-effective ways for managing energy resources consumed by the County. The team last met in summer 2012.</p>
<p>Procurement</p>	<p>15. Enact results of Green Purchasing Task Force established by Resolution File 06-329 that calls for use of environmentally preferable products.</p> <p>16. Replace traffic signals and signs with Light Emitting Diodes (LEDs) during regularly scheduled maintenance.</p>	<p>○ As noted in previous Green Print status updates, County has not adopted policy on environmentally preferable purchasing. A draft policy was prepared in 2009, but has not been formally adopted by the County Board as a resolution.</p> <p>● As noted in previous Green Print status updates, 100% of traffic lights under jurisdiction of DOT are LEDs. Other locations where LED lighting has been recently installed include Root River Parkway, Timmerman Airport, GMIA, and the Sports Complex.</p>