
M E M O R A N D U M

DATE: August 16, 2004; REVISED December 8, 2004

TO: Chuck Soules, Public Works Director

FROM: Laura Routh, Recording Secretary on behalf of the
Recycling and Resource Conservation Advisory Board (RRCAB)

RE: Recommended Energy Conservation Strategies for City of Lawrence

CC: Bob Yoos, Solid Waste Division Manager
Mollie Mangerich, Operations Supervisor

The purpose of this memo is to submit a series of recommendations on energy conservation and sustainability opportunities for the City of Lawrence to consider – per direction given by the City Commissioners to the Recycling and Resource Conservation Advisory Board (RRCAB) in the fall of 2003.

The RRCAB asks you review this document and forward to the City Commissioners on behalf of the board. We would be happy to provide further information on any of our recommendations. Please let the RRCAB know when you have forwarded our recommendations on – either directly to us or through WRR Operations Supervisor, Mollie Mangerich.

The International Energy Conservation Code (2nd Edition) describes what we believe to be sound principles for promoting wise energy use. We support these principles and believe they provide a solid foundation for sustainable energy policies for our community. In the Code's introduction, these principles are outlined and paraphrased as follows:

“ ...Based on the intent to establish a code that adequately conserves energy; does not necessarily increase construction costs; does not restrict the use of new materials, products or methods of construction; is designed to be compatible with the entire family of International Codes.”

Recommendations:

1. Upon review of the International Residential Code (IRC) and International Building Code (IBC) by the Neighborhood Resources Division and appropriate technical review boards, City Commissioners should direct staff to establish a separate committee composed of members of both the Recycling and Resource Conservation Advisory Board and appropriate technical advisory board members (Electrical, Plumber and Gas Fitters, Mechanical) to

review the International Energy Conservation (IEC) Code for consideration of adoption. Such a review could run concurrently with the IBC review.

2. Ensure that new and existing City facilities are designed, maintained and upgraded, as required, to be at least as energy efficient as identified by the International Energy Conservation Code or comparable design standards and codes. Amend current Environmental Procurement Policy (EPP) No. 80 to include these requirements.
3. Provide necessary funding and support such that the City of Lawrence Public Library expansion project be designated a “pilot” energy conservation project with a focus on educating the public while saving public dollars on lifetime energy and maintenance costs. This could be achieved by designing the building to be a green or sustainable building that meets the Leadership in Energy and Environmental Design (LEED) certification criteria.
4. City staff should identify cost effective opportunities for energy conservation within those City programs (e.g. Neighborhood Resources Division and the Housing Trust Fund Board) that provide funding for new construction, renovation and/or appliance purchases for low-income residential housing and housing improvement projects. Should the International Energy Conservation Code be adopted by the City of Lawrence, these energy conservation elements will be incorporated into the above-mentioned activities.
5. City Departments and/or Divisions should vigorously communicate energy conservation information and develop public education and outreach opportunities targeting citizens of Lawrence via existing communication media outlets including but not limited to website, public access channel, print, utility bill, pilot programs, etc.
6. Provide necessary staff resources and funding to continue and enhance the Annual Home Energy Conservation Fair and Sustainable Home Tour.
7. Research and implement strategies that will reduce adverse effects of man-made light including glare, light trespass, and energy use within the City of Lawrence. This would include, but not be limited to, city and commercial parking lots, fueling stations, and interior lighting of city facilities. Review and renegotiate current contract with Westar Energy, Inc. to incorporate reduced glare lighting and energy conservation light fixtures on public streets, both new and existing, and areas where practicable.

PROPOSED IMPLEMENTATION TIMELINE												
Recommendation	Department/Division to coordinate with	2005 Jan	Mar	Apr	May	June	Jul	Aug	Sept	Oct	Nov	Dec 2006 Jan
1. Review International Energy Conservation Code for consideration of adoption.	Neighborhood Resources Department											
2. Amend EPP to ensure city facilities abide by energy efficient standards as identified in IEC or comparable design standards/codes.	Public Works, Neighborhood Resources Department, WRR Division, City Managers Office											
3. Incorporate sustainable building features into design of Library Expansion.	Library (Bruce Flanders), City Managers Office											
4. Explore and identify energy conservation features to be incorporated into City's rehabilitation programs, Tenants to Homeowners program, etc.	Neighborhood Resources Department											
5. Provide public education about energy and resource	Utilities, Parks and Recreation, Communications											

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conservation through existing City Departments.	Coordinator, WRR Division												
6. Provide funding to continue and enhance Home Energy Conservation Fair & Sustainable Homes Tour	WRR Division												
7. Enhance energy conservation features of city provided public lighting. Reduce adverse effects (glare, light trespass) where practical.	Public Works, City Managers Office												