

Sustainability:



Economy



Environment



Society





Energy efficiency & conservation

Alternative fleet fuels

Economic development

Local food systems

Transportation

Water

Waste reduction & recycling

Green buildings

Citizen engagement & education



Sustainability: Multi-pronged approach

- **Policy/Programs**
- **Municipal Leadership**
- **Community Engagement**



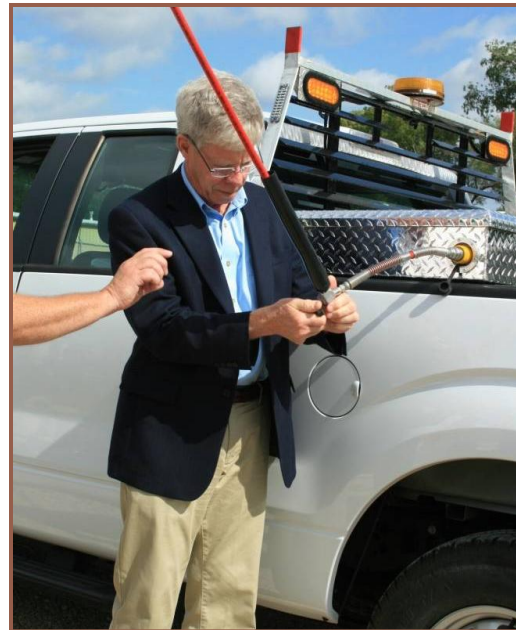
Energy Efficiency & Conservation:

- ▶ Monthly monitoring of EnergyCAP data
 - ▶ Smartmeters on 40+ main City facilities
 - ▶ Energy audits of City Hall, Lawrence Arts Center, Police ITC
 - ▶ Energy Management Staff Team
 - ▶ Cost-effective retrofits:
 - All traffic signals (81 intersections) changed to LEDs.
 - LED sidewalk lights (downtown, 12th street lighted walkway, 800 Delaware, 12th and Indiana)
 - LED lighting retrofits (Arts Center, Community Health Building, Commission Meeting Room).
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- ▶ ▪ HVAC upgrades – FM#2, Library

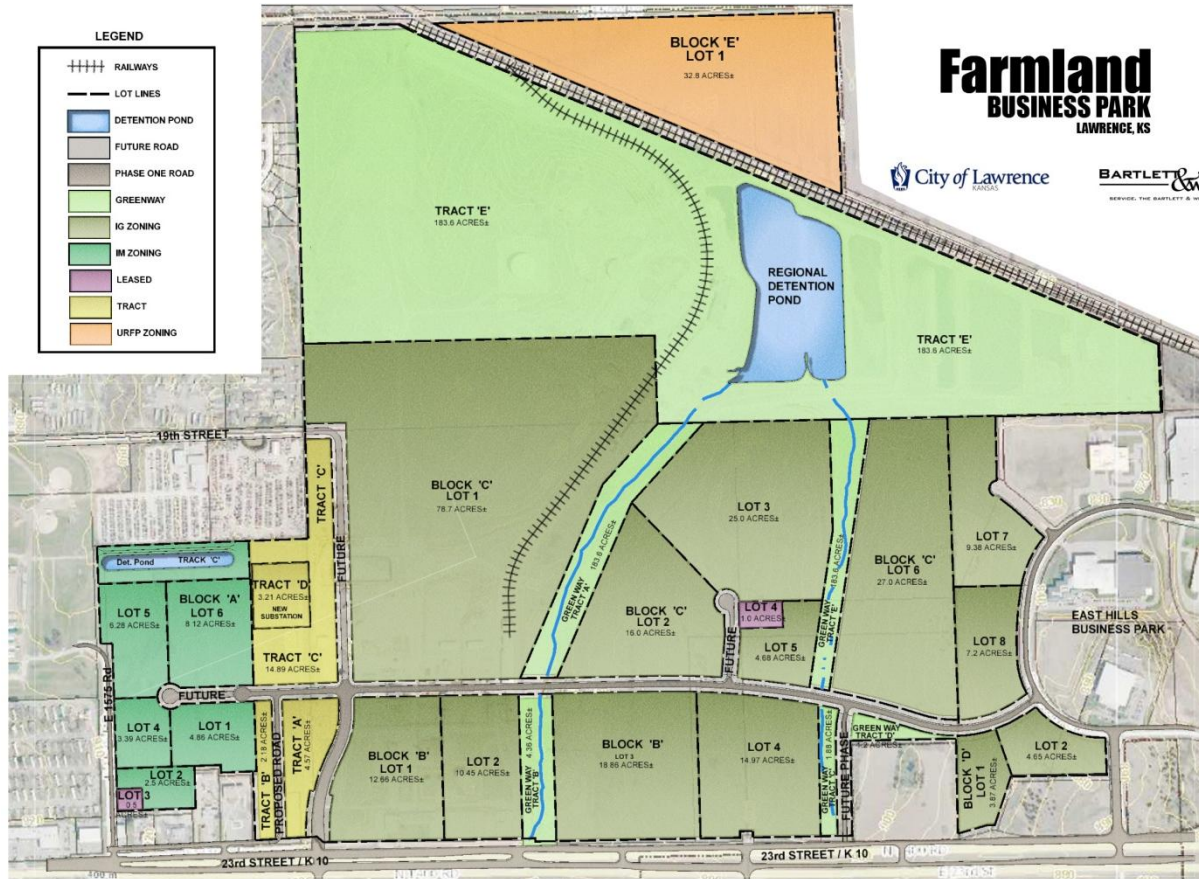


Alternative Fuels:

- ▶ Hybrid buses.
- ▶ CNG pilot project.
- ▶ Electric vehicle charging station & hybrid electric aerial truck.
- ▶ Conversion of Eagle Bend golf fleet to electric carts.
- ▶ Pending grant to KC Clean Cities for CNG vehicles + fueling infrastructure.



Economic Development:



Local, Sustainable Food Systems:

- Common Ground Program.
 - Four sites in 2012.
- Douglas County Food Policy Council.
- Access to Healthy Foods grant through Kansas Health Foundation.
- CHAMP program: Community Supported Agriculture program for employees.



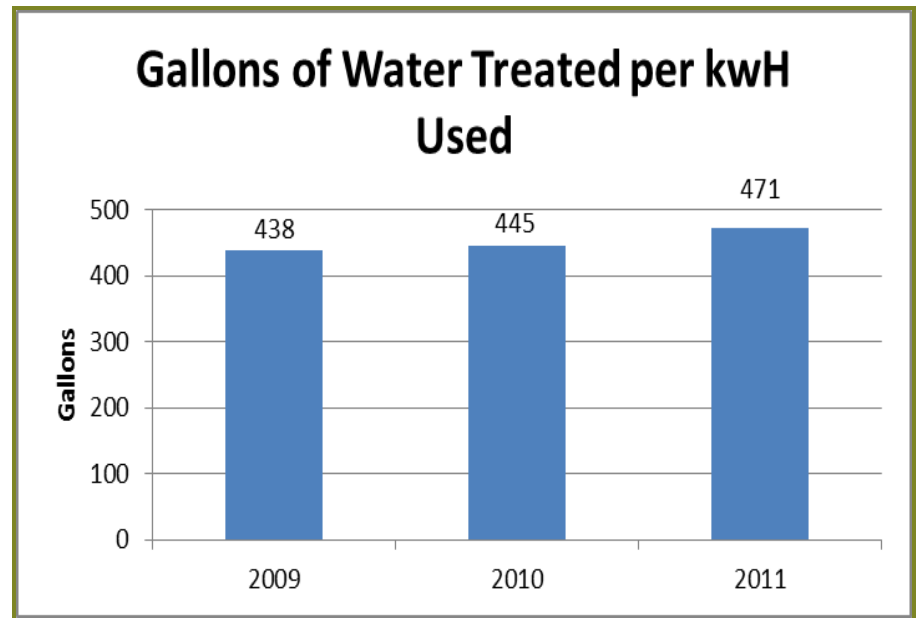
Transportation:

- ▶ T2040 emphasizes multi-modal travel.
- ▶ Passage of a City of Lawrence and MPO Complete Streets Policy.
- ▶ Re-designated as a Bronze Level Bicycle Friendly Community by the League of American Bicyclists through 2016.
- ▶ Sidewalk gap project (added another ½ mile in 2012).
- ▶ Signal timing on 6th and 23rd streets reduces idling and emissions.



Water Conservation & Efficiency:

- ▶ Chemical use reduced by 19%.
- ▶ Energy efficiency: variable frequency drives for pumps, lighting retrofits.
- ▶ Digester gas for building heat.
- ▶ Field crew workday change (four, 10-hour days) reduced fuel usage by 20%.
- ▶ Use of nonpotable water for irrigation.
- ▶ Alternative water sources with Parks & Recreation.



Waste Reduction & Recycling

- ▶ Four new drop-off locations for recycling glass added (2012)
- ▶ Curbside recycling RFP issued (fall 2012).
- ▶ Containers for solid waste and yard waste collection (fall 2012).
- ▶ Ongoing support of earth day, energy fair, electronics recycling, compost sale, etc.

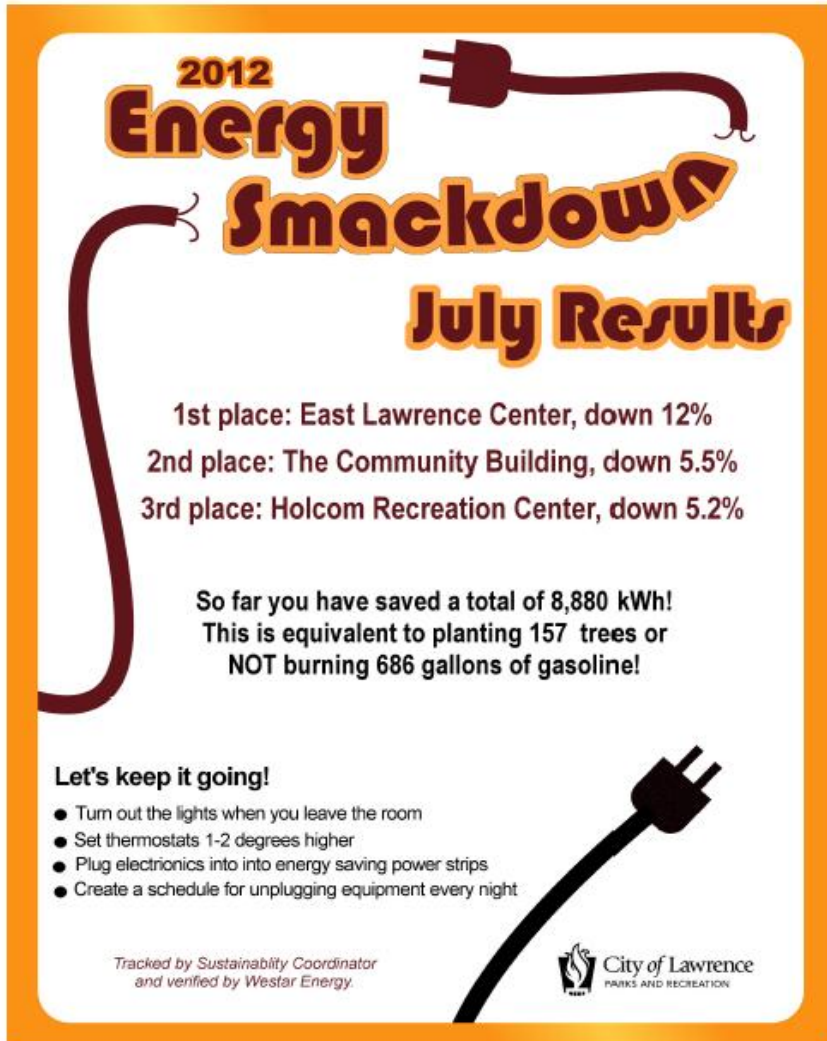


Green Buildings:

- ▶ Lawrence Public Library Building renovation pursuing LEED certification.
- ▶ Douglas County Public Works facility currently in design process- aiming for LEED Gold level certification.



Citizen Engagement & Outreach:



**2012
Energy Smackdown
July Results**

1st place: East Lawrence Center, down 12%
2nd place: The Community Building, down 5.5%
3rd place: Holcom Recreation Center, down 5.2%

So far you have saved a total of 8,880 kWh!
This is equivalent to planting 157 trees or
NOT burning 686 gallons of gasoline!

Let's keep it going!

- Turn out the lights when you leave the room
- Set thermostats 1-2 degrees higher
- Plug electronics into energy saving power strips
- Create a schedule for unplugging equipment every night

Tracked by Sustainability Coordinator
and verified by Westar Energy.

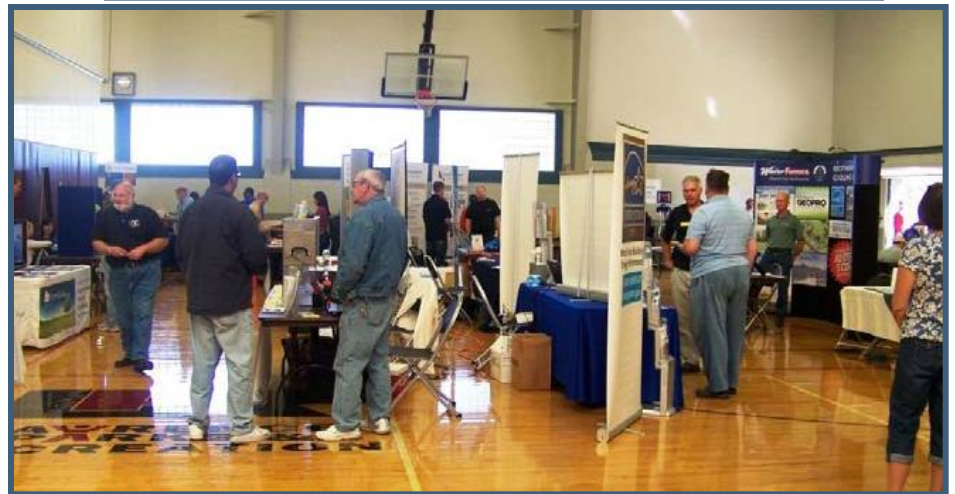
 **City of Lawrence**
PARKS AND RECREATION

The poster features a large, stylized graphic of a power cord that loops around the text. The cord is dark brown with a two-prong electrical plug at the top right and bottom right. The background is white with an orange border.



Citizen Engagement & Outreach:

- ▶ Sustainability Advisory Board Goals for 2013:
- ▶ Support Solid Waste Task Force recommendations.
- ▶ Support City's energy efficiency efforts.
- ▶ Planning & Sustainability-smart codes and urban growth.
- ▶ Research new initiatives in stormwater, landscaping, outreach to citizens.



Future Sustainability Opportunities:

- ▶ Green Business Leaders program for small business energy efficiency outreach (2013).
- ▶ EPA parking audit tool for Oread neighborhood.
- ▶ Common Ground 2013 program sites.
- ▶ Exploration of streetlight conversion to LEDs.
- ▶ CHAMP Community Supported Agriculture Program.
- ▶ GHG emissions baseline update.
- ▶ Exploration of downtown recycling options.
- ▶ Additional pilot projects for EVs and CNG vehicles.

