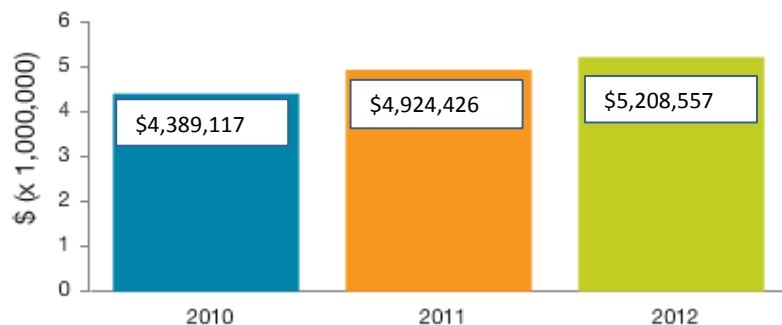
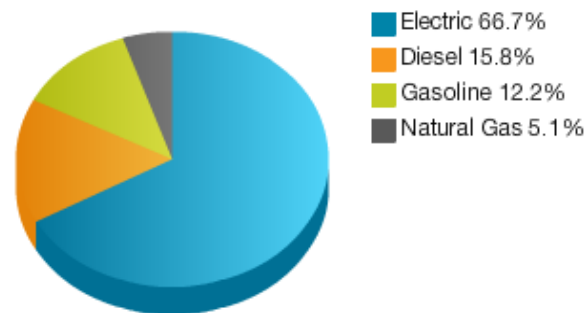


City of Lawrence (all departments): Total Energy Cost Summary 2010-2012

Total Cost Summary



Energy Cost Percentage



Daily Average Cost

Percentage Change from
Previous Year To
Current Year



8.9 %

Current Year:
Dec 2011 - Nov 2012
\$14,427.52

Previous Year:
Dec 2010 - Nov 2011
\$13,244.14

Major factors driving energy cost increases

3 of 4 commodities experienced price increases.

Average cost of electricity increased from 8.6 cents/kWh (2010) to 9.5 cents/kWh (2012)

Average cost of unleaded gasoline increased from \$2.58/gallon (2010) to \$3.44/gallon (2012)

Average cost of diesel fuel increased from \$2.71/gallon (2010) to \$3.68/gallon (2012)

Natural gas cost decreased from \$0.76/therm to \$0.66/therm, but only makes up 5.1% of the City's total energy costs.

Energy efficiency projects completed in 2012:

- **All traffic signals (81 intersections) changed to LEDs.**

The annual estimated cost savings for the LED traffic signals is \$137,599.70

- **LED sidewalk lights (downtown, 12th street lighted walkway, 800 Delaware, 12th and Indiana)**

Downtown lights saved 114,314 kWh in 2012 compared to 2010.

Downtown lights saved \$6,694.00 in 2012 compared to 2010.

- **LED lighting retrofits (Arts Center, Community Health Building, Commission Meeting Room).**

Arts center projected savings:

Annual kWh = 44,891 kWh

Annual Cost Savings = \$3,770.87

Community Health Building projected savings:

Annual kWh = 10,750 kWh

Annual Cost Savings = \$892.00

- **HVAC upgrades – FM#2, Library.**

Library actual savings: electricity use down 21.6%

- **Energy audits of City Hall and Lawrence Arts Center.**

Resulted in a prioritized list of projects for both buildings, based upon ROI.

