



Going Green

“How Can You Not”

- ***Synchronized Traffic Signal System***

Annual Operating Cost - \$100,000

Annual Fuel Savings - \$30 million

- ***LEED Certified Building
Design/Construction/Operation
Maintenance***

LEED Cost Components – 5% - 10% of
Construction

Payback Period – within lifespan of LEED
features



Going Green

“How Can You Not”

- **Water Conservation Measures**

Annual Operating Costs - \$120,000

Annual Water Cost Savings - \$3 million

- **City Trails – 90 Miles of Bike Lanes/Trails**

Capital Cost – State & Federal Monies

Annual Fuel Savings - \$2.4 million



Going Green

“How Can You Not”

- **Energy Conservation Measures**
LED/CFL/Induction Lighting Retrofits
Payback Period Less than Four (4) Years
- **Occupancy Based Lighting Controls**
Payback Period Less than Three (3) Years
- **Hybrid Fleet Conversion**
Incremental Cost Increase \$6000
Annual Fuel Savings \$750 per vehicle
Payback Period – 8 years



Energy Conservation Priorities Lighting Retrofits

Buildings

Traffic Signals

Parking Garages

	Incandescents	CFL	Incandescents	LED	HID ¹	Induction
Cost	\$0.75	\$5.90	\$2.89	\$78.00 ²	\$200.00 ³	\$480.00 ³
Energy Usage	75 Watts	20 Watts	135 Watts	15 Watts	180 Watts	85 Watts
Life Span	1,750 hrs.	8,000 yrs.	2 yrs.	8 yrs	18,000 hrs.	100,000 hrs.
Payback Period ⁴	N/A	100 days	N/A	3-4 yrs	N/A	3-4 yrs.

¹ **HID – High Intensity Discharge (typically High Pressure Sodium or Metal Halide Lights)**

² **Weighted Average of Red, Green and Yellow LED's**

³ **HID and Induction Light Costs include Fixture and Lamp**

⁴ **Payback Calculation Based on \$0.11 per kilowatt**



MOMENTUM

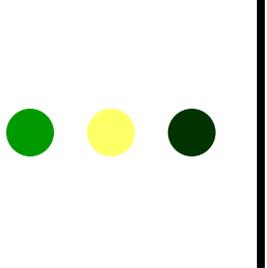
- Mayor's Green City Action Accord**
- National League of Cities Resolution in Support of Green City Action Accord**
- Star Community Index**
- American Recovery and Reinvestment Act**



STAR COMMUNITY INDEX

Plan To Establish A National Sustainable Community Framework

- Starting in 2011, local governments will be able to use the STAR Community Index to plan, measure and monitor the actions they are taking toward sustainability
- Help local governments maximize their investments to reduce greenhouse gas emissions, enhance environmental stewardship, generate more robust jobs and local commerce, create healthier communities, and improve the well-being of citizens and future generations



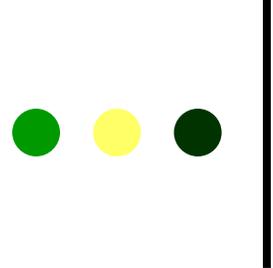
Energy Efficiency & Conservation Block Grants (EECBG)

- \$2.8 billion authorized in the American Recovery and Reinvestment Act
- Direct funding for the ten largest cities and counties in each state
- Funding formula to be determined by the U.S. Department of Energy (68% of the monies to be distributed)



Clean Water & Drinking Water State Revolving Fund Grants

- **\$4 Billion authorized in the American Recovery & Reinvestment Act for Clean Water**
- **\$2 Billion Authorized in American Recovery & Reinvestment Act for Drinking Water**
- **Match/Cost Sharing Not Required. Competitive Grant Process. Wastewater Treatment, Non-Point Source Pollution Control, Drinking Water Infrastructure**
- **20% of Funds to Address Green Infrastructure**



Global Warming

- Move Past the Scientific Debate and Rhetoric**
- Engage an Agreeable Theme to Reduce Harmful Air Emissions and Reliance on Foreign Oil**
- Move Forward on Cost Effective and Environmentally Friendly Initiatives**
- Recognize the Economic Engine for the Next Generation - GREEN**