

# Sustainability Update, STAR Certification, & Energy Efficiency Program



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*City of Lawrence*



# Sustainability:

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Economy



Environment



Society

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# Sustainability in local government: a multi-pronged approach

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



## Guiding Documents:

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- ▶ City of Lawrence: Climate Protection Plan (2009)
- ▶ Greenhouse Gas Emissions Inventory (2005, 2012)
- ▶ Douglas County: County Sustainability Plan (2011)
- ▶ City of Lawrence reports from Peak Oil Task Force, Solid Waste Task Force, Complete Streets committee, etc.
- ▶ City & County: Horizon 2020: Chapter 16 (2011)
- ▶ T2040 Transportation Plan

## Advisory Boards:

- ▶ Sustainability Advisory Board
  - ▶ Douglas County Food Policy Council
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Energy efficiency & conservation

Alternative fleet fuels

Green buildings

Economic development

Local food systems

Transportation

Water

Waste reduction & recycling

Citizen engagement & education



Study



Implement

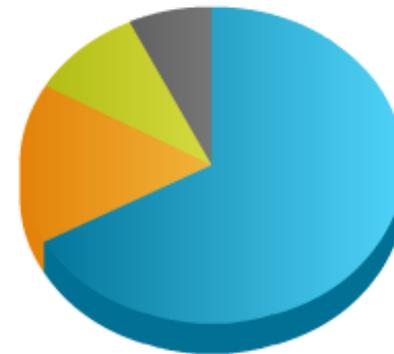


Communicate

Resources



Monitor



- Electric 66.7%
- Diesel 16.4%
- Gasoline 9.6%
- Natural Gas 7%



## Sustainability

[City Sustainability Initiatives](#) ▾ [Participate](#) ▾

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## Sustainability

**Sustainability** means making decisions that balance the needs of the environment, economy, and society — for both present and future generations.

In the City of Lawrence, that means finding more efficient, smarter ways of serving our community.

We share our citizens' commitment to sustainability, and are working to foster a healthy environment that contributes to a growing economy and a livable community.

Sustainability Coordinator **Eileen Horn** can be reached at (785) 330-2873 or via email at [ehorn@lawrenceks.org](mailto:ehorn@lawrenceks.org).

### What the city is doing:

Our approach to sustainability involves these key initiatives. Each of these initiatives provides an opportunity to positively impact our City operations and our citizen's quality of life.

- [Energy efficiency & conservation](#)
- [Fuel conservation & alternative fleet fuels](#)
- [Economic development](#)
- [Healthy, local food systems](#)
- [Sustainable transportation](#)
- [Water & utilities](#)
- [Waste reduction & recycling](#)
- [Green building design & construction](#)
- [Outdoors & recreation](#)



### Annual Report

 [Download the 2012 Sustainability Annual Report](#)

### What you can do:

Sustainability is a city priority, but creating a healthy environment, economy, and society is going to take the efforts of all of us. Find out [what you can do](#) to participate in the city's sustainability efforts.

- [What you can do](#)
- [Citizen engagement & outreach](#)
- [Sustainability Advisory Board](#)

### City Commission · Meeting Agenda

The **04-01-14** City Commission Meeting agenda is now online.

### I Want To...

- [Apply](#)
- [Contact](#)
- [Dispose](#)
- [Pay](#)
- [Report](#)
- [Sign Up](#)
- [View](#)

### Events

Tue, Apr 8, 2014	
12:00pm	<a href="#">Parks &amp; Recreation Board Meeting</a>
4:10pm	<a href="#">Public Transit Advisory Committee</a>
6:30pm	<a href="#">City Commission Meeting</a>
Sat, Apr 19, 2014	
11:00am	<a href="#">Earth Day Parade &amp; Festival</a>
Sat, May 10, 2014	
10:00am	<a href="#">Lawrence-Douglas Bicycle Helmet Fair</a>
Thu, Sep 18, 2014	
4:00pm	<a href="#">Youth Camps - Golf Advanced (runs W/T 9/19)</a>

[View](#)



# STAR COMMUNITIES

SUSTAINABILITY  
TOOLS FOR  
ASSESSING &  
RATING COMMUNITIES

SET GOALS. MEASURE PROGRESS.  
IMPROVE YOUR COMMUNITY.

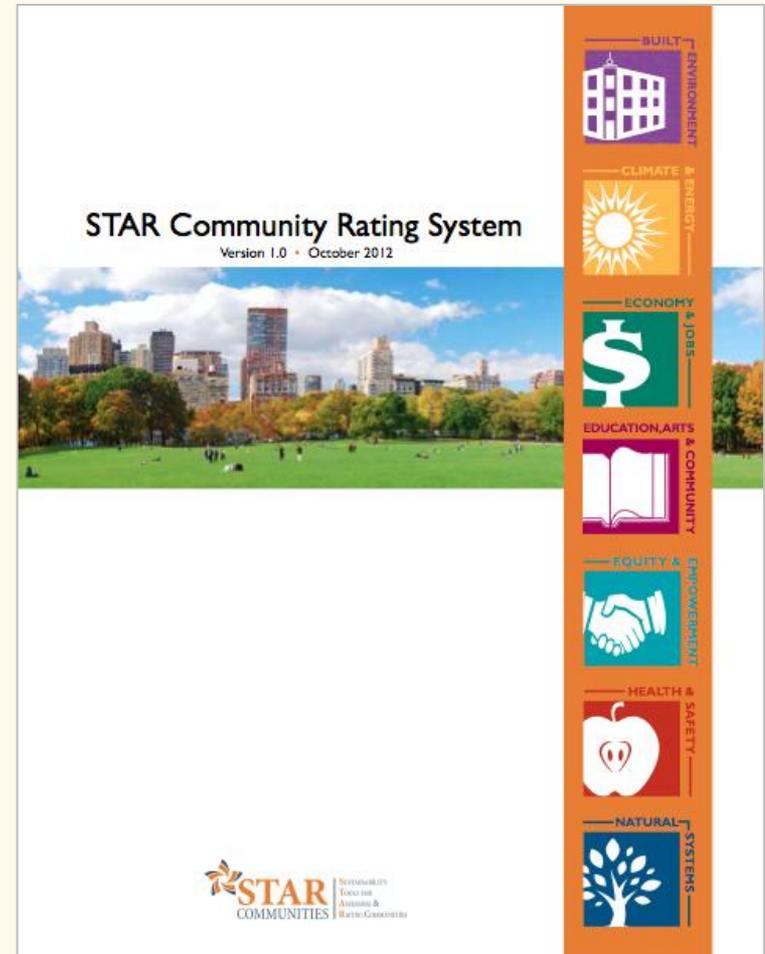


***STAR Communities is a 501(c)(3) nonprofit organization that works to evaluate, improve, and certify sustainable communities. We help cities and counties achieve a healthy environment, a strong economy, and well being for their residents.***

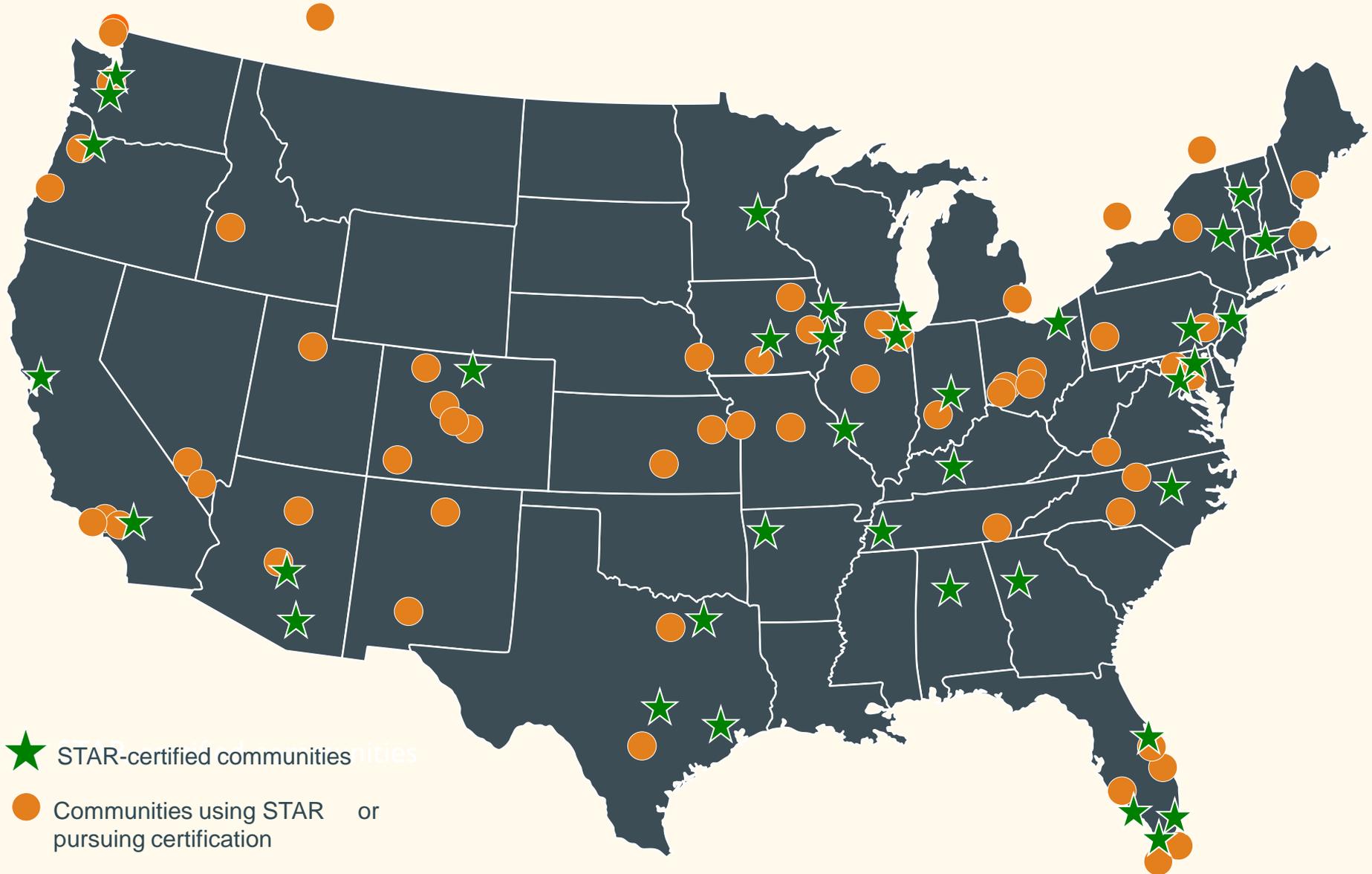
[www.STARcommunities.org](http://www.STARcommunities.org)

# STAR COMMUNITY RATING SYSTEM

The STAR Community Rating System (STAR) is the nation's first **comprehensive framework and certification program** for measuring local sustainability. STAR was built by and for local governments and the communities they serve.



# NEARLY 100 COMMUNITIES IN THE US AND CANADA ARE USING STAR... THAT'S OVER 40 MILLION PEOPLE.



# CERTIFICATION LEVELS

## Certified 5-STAR Community (600+ points)

*Recognized as top tier achiever in national sustainability*

## Certified 4-STAR Community (400-599 points)

*Recognized for national excellence*

## Certified 3-STAR Community (200-399 points)

*Recognized for sustainability leadership*

## Reporting STAR Community

*Currently pursuing certification*

## Member STAR Community

*A community that has expressed a commitment to the STAR Communities' mission and is using the STAR Community Rating System informally*



# WHO IS STAR CERTIFIED?

*As of September 2015, thirty-eight communities have received a verified STAR Community Rating.*



## 5-STAR Community

- Baltimore, MD
- Northampton, MA
- Seattle, WA

## 4-STAR Community

- Austin, TX
- Dubuque, IA
- Plano, TX
- Tucson, AZ
- Broward County, FL
- Evanston, IL
- Portland, OR
- Washington, DC
- Burlington, VT
- Louisville, KY
- Raleigh, NC
- Davenport, IA
- Memphis, TN
- Tacoma, WA

## 3-STAR Community

- Albany, NY
- El Cerrito, CA
- Monroe County, FL
- Rosemount, MN
- Atlanta, GA
- Fayetteville, AR
- Palm Bay, FL
- Saint Louis, MO
- Birmingham, AL
- Fort Collins, CO
- Park Forest, IL
- Woodbridge, NJ
- Chandler, AZ
- Houston, TX
- Phoenix, AZ
- Cleveland, OH
- Indianapolis, IN
- Reading, PA
- Des Moines, IA
- Lee County, FL
- Riverside, CA

# THE STAR COMMUNITY RATING SYSTEM

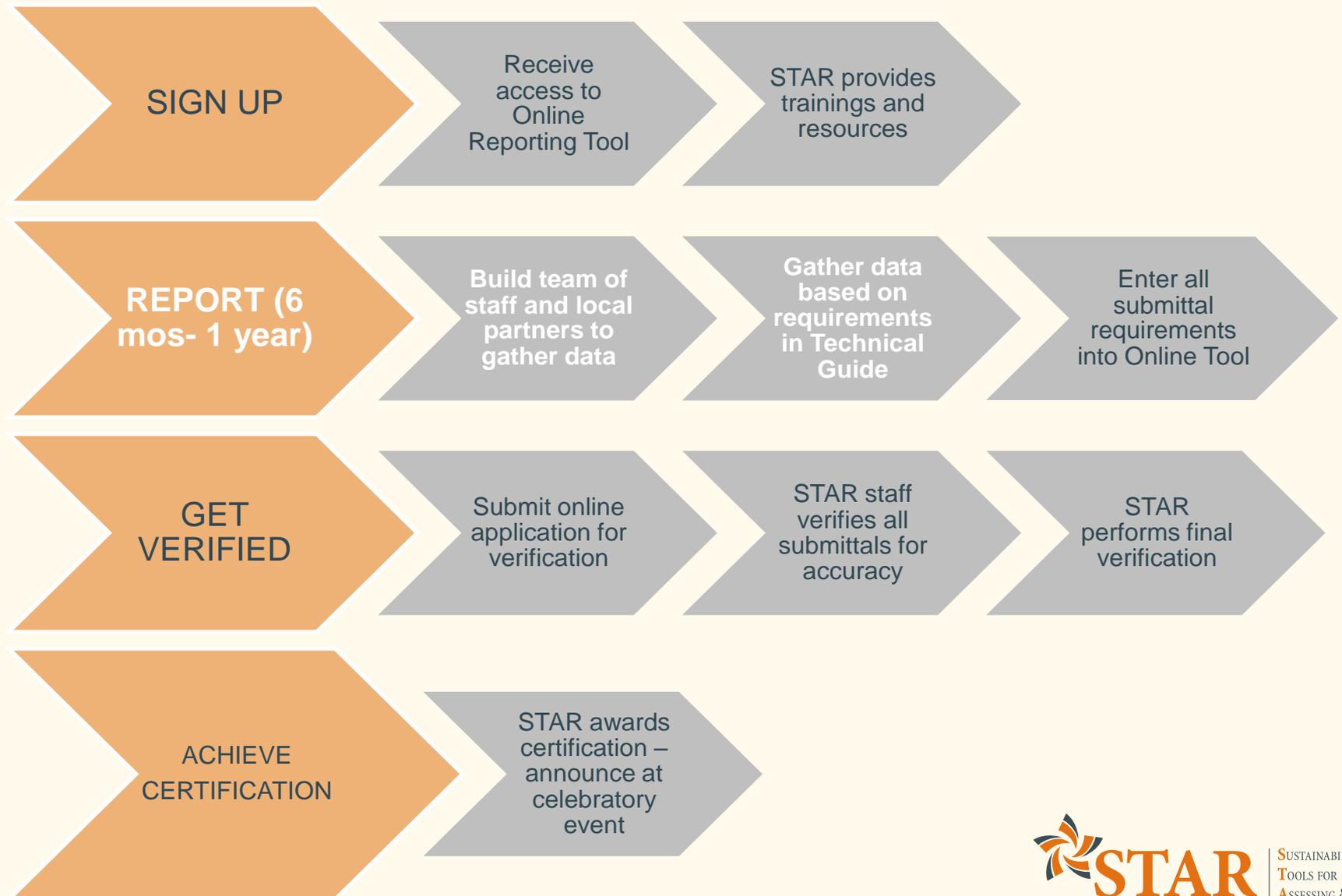
Goal Areas & Objectives are rated and evaluated in the online system, helping local leaders set goals and measure progress across all areas.

Built Environment	Climate & Energy	Economy & Jobs	Education, Arts & Community	Equity & Empowerment	Health & Safety	Natural Systems
Ambient Noise & Light	Climate Adaptation	Business Retention & Development	Arts & Culture	Civic Engagement	Active Living	Green Infrastructure
Community Water Systems	Greenhouse Gas Mitigation	Green Market Development	Community Cohesion	Civil & Human Rights	Community Health & Health System	Invasive Species
Compact & Complete Communities	Greening the Energy Supply	Local Economy	Educational Opportunity & Attainment	Environmental Justice	Emergency Prevention & Response	Natural Resource Protection
Housing Affordability	Industrial Sector Resource Efficiency	Quality Jobs & Living Wages	Historic Preservation	Equitable Services & Access	Food Access & Nutrition	Outdoor Air Quality
Infill & Redevelopment	Resource Efficient Buildings	Targeted Industry Development	Social & Cultural Diversity	Human Services	Indoor Air Quality	Water in the Environment
Public Spaces	Resource Efficient Public Infrastructure	Workforce Readiness		Poverty Prevention & Alleviation	Natural & Human Hazards	Working Lands
Transportation Choices	Waste Minimization				Safe Communities	

# BENEFITS OF STAR CERTIFICATION

- Benchmark ourselves against peers using a common set of metrics.
- Identify areas in which we are leading, and
- Identify areas for improvement.
- Helps communicate sustainability progress to our citizens.
- Gain national recognition for our efforts.

# CERTIFICATION PROCESS



# QUESTIONS?

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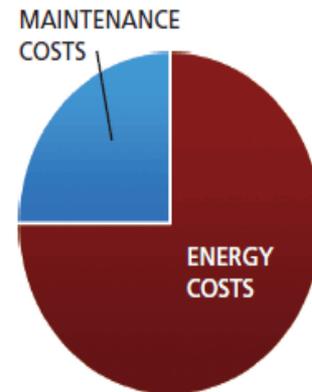
# Energy Efficiency Retrofit Program

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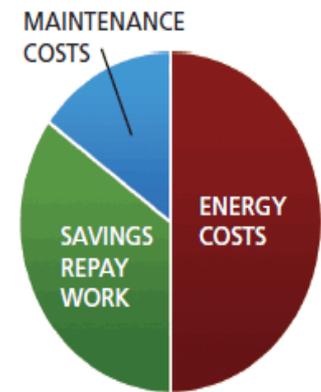
A comprehensive Energy Efficiency Retrofit Program in city-owned buildings and facilities would:

- ▶ Save energy,
- ▶ Address deferred maintenance,
- ▶ Reduce utility bills and maintenance costs,
- ▶ Provide important comfort and safety upgrades, and
- ▶ Provide leadership on sustainability and greenhouse gas emissions reduction goals.

**BEFORE IMPROVEMENTS**



**AFTER IMPROVEMENTS**



# Proposed Next Steps:

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1. Assess our buildings and facilities to determine potential energy saving upgrades,
2. Calculate the return on investment (ROI) to prioritize these projects, and
3. Implement energy-saving projects in our buildings.

Timeline: Energy assessments in early 2016 to have a list of projects in time for 2017 budget discussions.

Action: Authorize staff to issue a Request for Qualifications (RFQ) to select an energy management company to assist city staff with energy analyses, calculation of savings, and project implementation.

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