



**City of St. Louis**  
**Greenhouse Gas Emissions Inventory &**  
**Sustainability Plan**  
***Initiative Overview***

*Catherine Werner, Sustainability Director*  
*March 25, 2011*

# The City's Consultant Team



1. HOK, team lead
2. H3 Studio
3. Development Strategies
4. Vector Communications
4. ICLEI
5. Energy Strategies
6. KAI Design & Build
7. St. Louis Community College





# Overview of Entire Initiative

1. **Collect data for a GHG emissions inventory & forecast**
2. **Conduct a comprehensive sustainability assessment**
3. **Establish goals & partnerships**
4. **Identify targets & measures**
5. **Develop strategic triple+ bottom line sustainability plan**
6. **Create implementation & monitoring methodology**



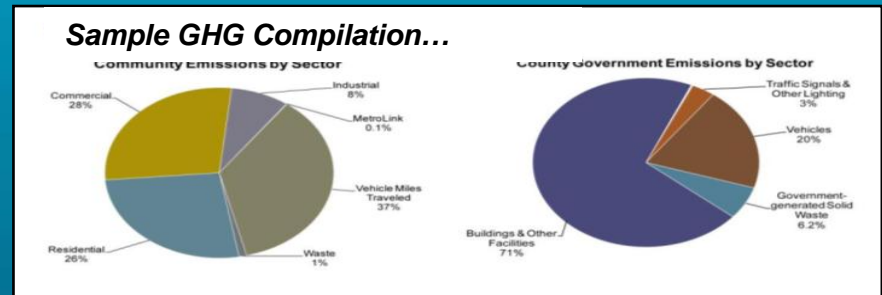
**ST. LOUIS**  
Historically Sustainable



## PART ONE

# Inventory Greenhouse Gas Emission Data

- City's selected baseline year: 2005
- Assess (1) local government operations & (2) community sources
- Project GHG emission forecasts



# Develop GHG Inventory & Forecast



## ***Innovative Partnership*** ***City + STLCC***



Students from St. Louis Community College and their faculty advisors will gain practical green job technical knowledge and skills while managing City GHG emissions data.

### *Additional Benefits:*

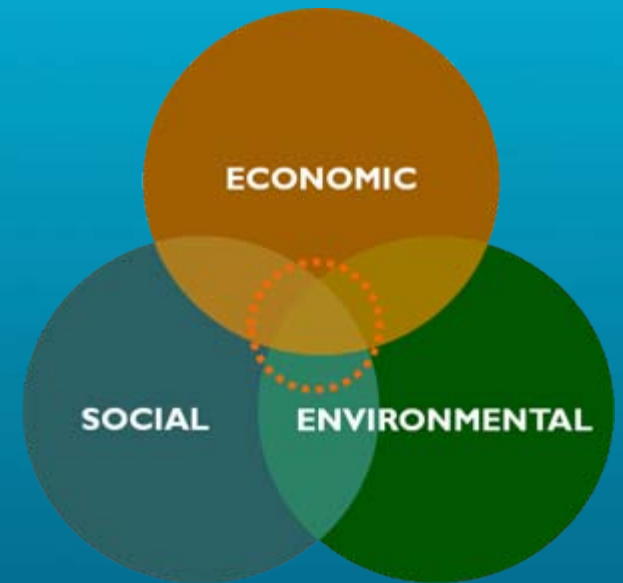
- *Build local/regional capacity*
- *Create mechanism for annual GHG inventory updates*
- *Alleviate direct cost to the City*



## PART TWO

# Develop a Strategic Sustainability Plan for the City of St. Louis

- *Triple+ Bottom Line approach*
- *Internal coordination goal*
- *Includes an outreach and public engagement component*

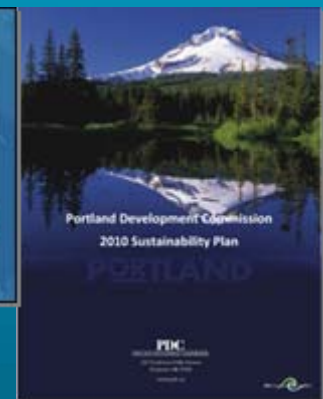


**ST. LOUIS**  
Historically Sustainable



# Conduct A Sustainability Assessment

- Review precedent plan case studies
- Assess current City sustainability initiatives
- Identify strengths, constraints, and opportunities



# Consider Goals & Partnerships

- Define City's priority goals and objectives
- Analyze feasibility for implementation
- Conduct internal and public engagement sessions



**ST. LOUIS**  
Historically Sustainable



# Establish Targets & Measures

- Define metrics and indicators the City will use
- Align with national or other standards - benchmarking

## List of STAR Sustainability Goals

### ENVIRONMENT

Natural Systems	Planning & Design	Energy & Climate
Natural Resource Planning & Inventory	Comprehensive Planning	Greenhouse Gas Mitigation
Green Infrastructure	Excellence in Design	Climate Adaptation
Land Use in Watersheds	Interconnected Land Use	Energy Supply
Water Quality & Supply	Compact & Complete Communities	Energy Use
Agriculture & Aquaculture	Design for People	Resource Efficient Buildings
Resource Lands	Housing	Alternative Fuels & Infrastructure
Biodiversity & Invasive Species	Public Spaces	Industrial Sector Energy Use
Ambient Noise & Light	Transportation & Mobility	Agricultural Climate Impacts
Waste Minimization	Land Conservation	
	Historic Preservation & Cultural Heritage	
	Code Barriers	
	Public Engagement & Participation	

### ECONOMY

Economic Prosperity	Employment & Workforce Training
Enterprise Support	Employment Opportunity
Industry Sector Development & Revitalization	Employment Benefits
Market Development	Labor Rights
Community-Based Economic Development	Living Wages
Economic Localization	Supportive Workplaces
Land Redevelopment & Revitalization	Workplace Learning & Career Paths
Food System	Workforce Development Comprehensive Plan
	Workforce Training
	Resources for Success

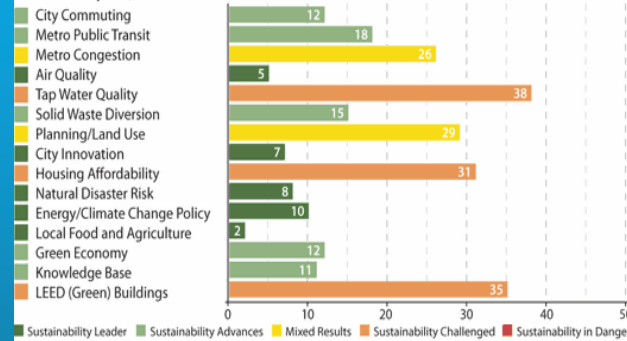


City Hall Farmers Market, Seattle, WA

### SOCIETY

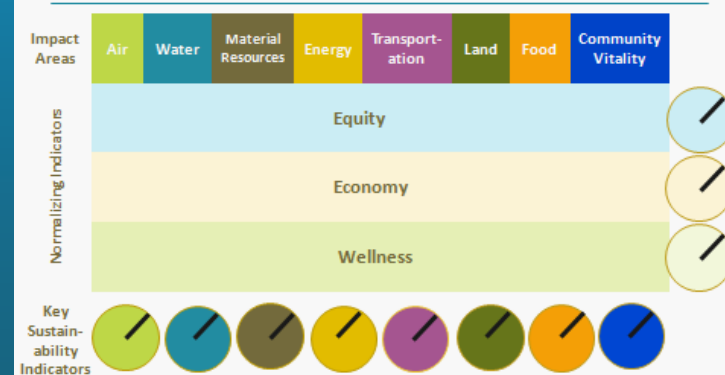
Education, Arts & Community	Health & Safety	Affordability & Social Equity
Education Opportunities	Health System	Government Transparency
Education Environments	Health & Safety Literacy	Revenue Generation
School-Community Engagement	Workplace Health & Safety	Public Expenditures & Financial Investment
Ecological Literacy	Food Access & Nutrition	Infrastructure Investment
Arts & Culture	Drinking Water Quality	Social Cohesion
Arts & Cultural Civic Support	Outdoor Air Quality	Human Services
Social & Cultural Diversity	Indoor Air Quality	Poverty Prevention & Alleviation
Neighborhood Vitality	Toxics Reduction	Civil & Human Rights
Civic Literacy + Engagement	Natural & Human Hazards	Cultural Practices
Financial Literacy	Emergency Prevention & Response	Environmental Justice
	Safe Communities	Equity Literacy
	Active Living & Recreation	Adjudication & Restorative Justice
		Community Empowerment
		Equity Assessment & Planning

## #10 Minneapolis, Minnesota



## The Indicator Framework.

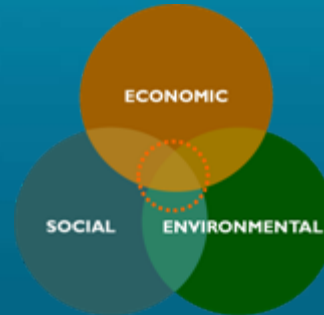
DRAFT



# Develop The City's Sustainability Plan

The end result will be a strategic, prioritized roadmap toward interdepartmental sustainability initiatives for the City of St. Louis.

	ENV	SOC	ECON
Sustainability Initiative...			
Sustainability Initiative...			
Sustainability Initiative...			
Sustainability Initiative...			
Sustainability Initiative...			
Sustainability Initiative...			



**ST. LOUIS**  
Historically Sustainable



# Create Implementation & Monitoring Methodology

*Realizing the Plan and establishing feedback loops...*



*Metrics inform policy-making...*



*Policies inform implementation...*

*Implementation is measured...*



**ST. LOUIS**  
Historically Sustainable



*Catherine L. Werner*

**Sustainability Director, City of St. Louis**

**Office of the Mayor**

**WernerC@StLouisCity.com**

