

Local Governments Moving Forward Despite the Odds



Michael Davidson, Midwest Regional Director, ICLEI USA

Michigan Association of Planning

Spring Institute 2011

May 13, 2011, Lansing

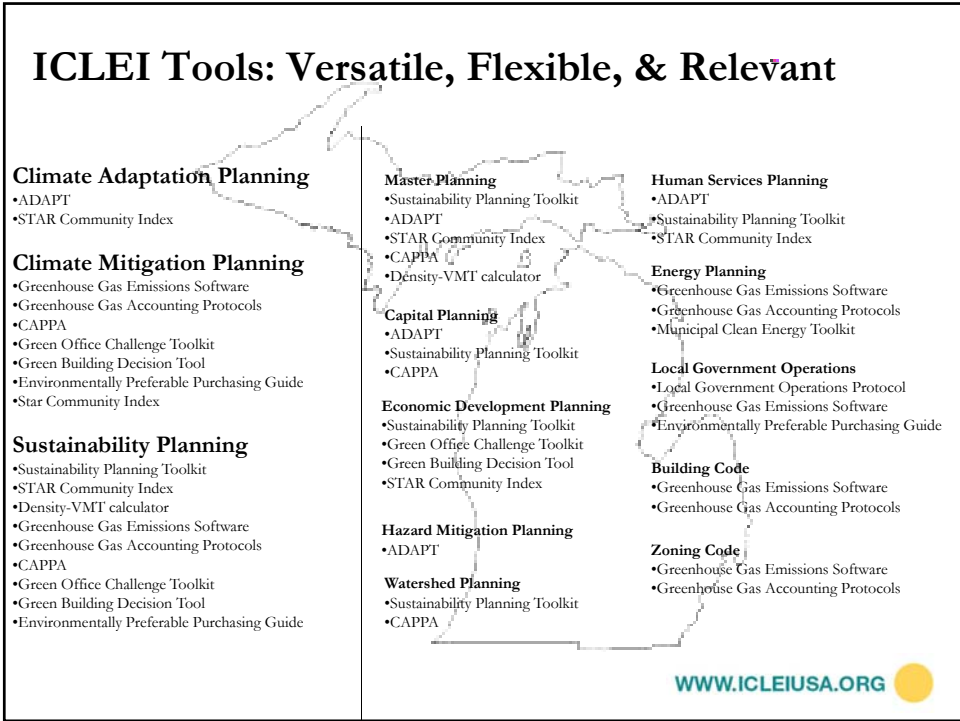
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ICLEI Approach



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ICLEI Tools: Versatile, Flexible, & Relevant



Climate Adaptation Planning

- ADAPT
- STAR Community Index

Climate Mitigation Planning

- Greenhouse Gas Emissions Software
- Greenhouse Gas Accounting Protocols
- CAPP
- Green Office Challenge Toolkit
- Green Building Decision Tool
- Environmentally Preferable Purchasing Guide
- Star Community Index

Sustainability Planning

- Sustainability Planning Toolkit
- STAR Community Index
- Density-VMT calculator
- Greenhouse Gas Emissions Software
- Greenhouse Gas Accounting Protocols
- CAPP
- Green Office Challenge Toolkit
- Green Building Decision Tool
- Environmentally Preferable Purchasing Guide

Master Planning

- Sustainability Planning Toolkit
- ADAPT
- STAR Community Index
- CAPP
- Density-VMT calculator

Capital Planning

- ADAPT
- Sustainability Planning Toolkit
- CAPP

Economic Development Planning

- Sustainability Planning Toolkit
- Green Office Challenge Toolkit
- Green Building Decision Tool
- STAR Community Index

Hazard Mitigation Planning

- ADAPT

Watershed Planning

- Sustainability Planning Toolkit
- CAPP

Human Services Planning

- ADAPT
- Sustainability Planning Toolkit
- STAR Community Index

Energy Planning

- Greenhouse Gas Emissions Software
- Greenhouse Gas Accounting Protocols
- Municipal Clean Energy Toolkit

Local Government Operations

- Local Government Operations Protocol
- Greenhouse Gas Emissions Software
- Environmentally Preferable Purchasing Guide

Building Code

- Greenhouse Gas Emissions Software
- Greenhouse Gas Accounting Protocols


Zoning Code

- Greenhouse Gas Emissions Software
- Greenhouse Gas Accounting Protocols


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The 111th Congress


“Climate Bill”




American Clean Energy and Security Act
Waxman-Markey
Passed the House on June 26, 2009



Clean Energy Jobs and American Power Act
Kerry-Boxer
Released Oct. 27, 2009



American Power Act
Kerry-Lieberman
Released May 12, 2010



MIXED BAG

continued on slide 6

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Regional Initiatives Remain Tenuous

Great Lakes Restoration Initiative

Year/Action	Amount (\$)
FY2010 Budget Request	\$450,000,000
FY2010 Enacted	\$450,000,000
FY2011 Budget Request	\$300,000,000
FY2011 H.R. 1	\$225,000,000
FY2011 Budget Deal	\$300,000,000
FY2012 Budget Request	\$350,000,000

Regional U.S. climate change initiatives

* Regional Greenhouse Gas Initiative
Source: Pew Center on Global Climate Change

Michael:

The coordination of the Midwestern Accord is now facilitated by **each individual state**. Please contact them for more information.

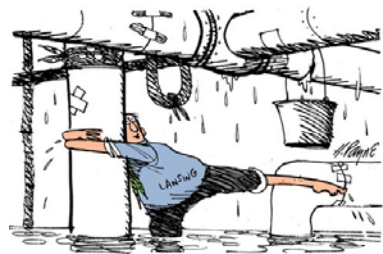
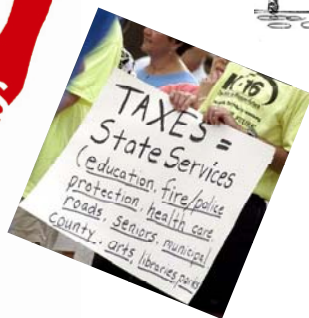
KH *(fake initials)*

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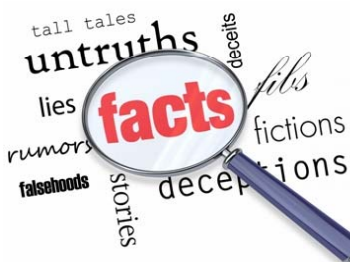
Really?...The States!?



**RALLY
for a
MORAL
BUDGET**
Saturday @ 1pm
March 12
State House



"Budget's all fixed."



Not all Bad News

Leveraging federal support for local prosperity

- Partnership for Sustainable Communities
- EECBG
- Great Lakes Restoration Initiative
- TIGER
- Regional Planning



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Sustainable Communities Building Blocks Program

- **Walking Audit:** Helena, MT; Renton, WA; and **St. Louis, MO**
- **Sustainable Land Use Code Audit:** Dover, NH; Granville, OH; **Lincoln, NE**; and Shelburne, VT
- **Smart Growth Zoning Codes for Small Cities and Rural Areas:** Cambridge, MD; Essex, CT; Reedsburg, WI; and Spencer, NC
- **Using Smart Growth to Produce Fiscal and Economic Health:** Bemidji, MN; Chelmsford, MA; Deerfield Beach, FL; Erie County, NY; **Muskegon, MI**; and Pike's Peak Council of Governments, CO
- **Complete Streets:** McKinney, TX; Nashville/Davidson, TN; and Portland, ME
- **Smart Growth Guidelines for Sustainable Design and Development:** Hellertown, PA; Kayenta Township, AZ; Oak Ridge, TN; and Syracuse, NY
- **Water Quality Scorecard:** **Fitchburg, WI**; Jersey Shore, PA; Northampton, MA; and Oklahoma City, OK
- **Essential Smart Growth Fixes for Urban and Suburban Zoning Codes:** Bluffton, SC; Ranson, WV; Rockport, TX; and **Wichita, KS**

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Cadillac Escalade in Milwaukee Sinkhole



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The Last Best Hope

ICLEI USA & Michigan

- Ann Arbor
- Dearborn
- Flint
- Grand Rapids
- Traverse City

- Northwest Michigan Council of Governments
- Southeast Michigan Regional Energy Office

Ann Arbor: Climate & Energy Planning

ICLEI member
since 2001

Goal: Community-wide GHG reduction target: 8% below 2000 levels, and 50% below 2000 levels for government operations, both by 2015

- ✓ 1980s Energy Office and 1st Energy Plan
- ✓ 1990s Municipal Energy Fund
- ✓ 1990s Updated Energy Plan
- ✓ 2000s Greenhouse Gas Emissions Inventory
- ✓ 2010s Updated Greenhouse Gas Emissions Goals



One of the first communities in the country to achieve ICLEI's Five Milestones for Climate Mitigation



Next steps:

- Inventory updates
- Climate Plan --Strategies for energy efficiency & conservation, energy generation, transportation, and waste
- Coordinate multiple efforts through a sustainability operational assessment

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Grand Rapids: Sustainability Planning

ICLEI member
since 2008

Goal: Managing the economic, social, and environmental resources of the city through a framework of sustainability outcomes and targets

- ✓ 2000-02 A Master Plan based on EPA's 10 Smart Growth Principles
- ✓ 2004-05 Neighborhood Pattern Workbook
- ✓ 2006 City's first sustainability plan
- ✓ 2006-07 Form-based zoning code
- ✓ 2007-2008 A "Triple Bottom Line" indicator report
- ✓ 2007-10 Green Grand Rapids
- ✓ 2009 GHG emissions inventories
- ✓ 2009-10 Sustainability Plan 2.0 (2011-2015)
- ✓ 2010-11 Streets plan



Pursuing Milestone Five in ICLEI's Five Milestones for Climate Mitigation and transitioning to a hybrid Milestone approach for mitigation, adaptation, and sustainability



Next steps:

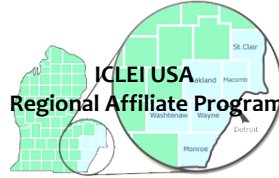
- Incorporate climate adaptation strategies into existing planning efforts

Source: City of Grand Rapids Office of Energy and Sustainability sustainablegr.com; grcity.us

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ICLEI USA Next Steps

- Regional Affiliate Program
- Climate Resilient Communities Program
 - ADAPT
- Sustainability Program
 - Sustainability Planning Toolkit
 - STAR Community Index



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Climate Adaptation Program

- Official name: Climate Resilient Communities (CRC)
- Flagship tool: Adaptation Database and Planning Tool (ADAPT)
- Official launch: November 2010



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Adaptation Database and Planning Tool (ADAPT)

Leveraging the Network to Create a Useful Tool



Keene, NH

- Full adaptation planning process
- Established committee of all department heads
- Included adaptation and mitigation in community visioning and comprehensive plan



Miami-Dade County

- A sustainability plan
- Created a climate change advisory task force with 34 recommendations
- Working on regional preparedness through Southeast Florida Climate Change Compact



Homer, AK

- Adaptation and mitigation planning together
- Strong science-based climate impacts assessment
- Effective adaptation strategy of making sure changes being made today consider long-term climate change

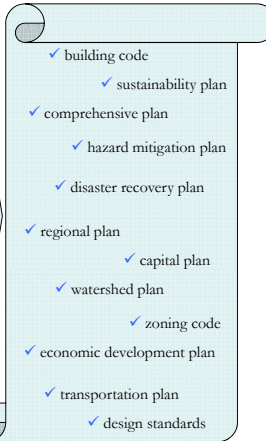


Where Does Adaptation Fit?



Sampling of measures from Keene, NH, planning process

- Encourage pitched roofs
- Identify a 200-year floodplain
- Implement a green building and energy code
- Incorporate sustainable stormwater design and management
- Create alternative routes for movement of goods and people
- Develop a regional management plan for stormwater
- Adopt a net zero runoff site plan requirement
- Identify areas for safe burial of existing power lines
- Connect emergency centers with onsite and renewable energy sources
- Create a watershed management plan and protect aquifer recharge areas, to ensure water storage capabilities during drought conditions
- Develop a "Farmers Guide" to increase local food production by 20%
- Develop training program for people who lose their jobs snowplowing or sugaring
- Continue mitigation efforts to reduce need for adaptation

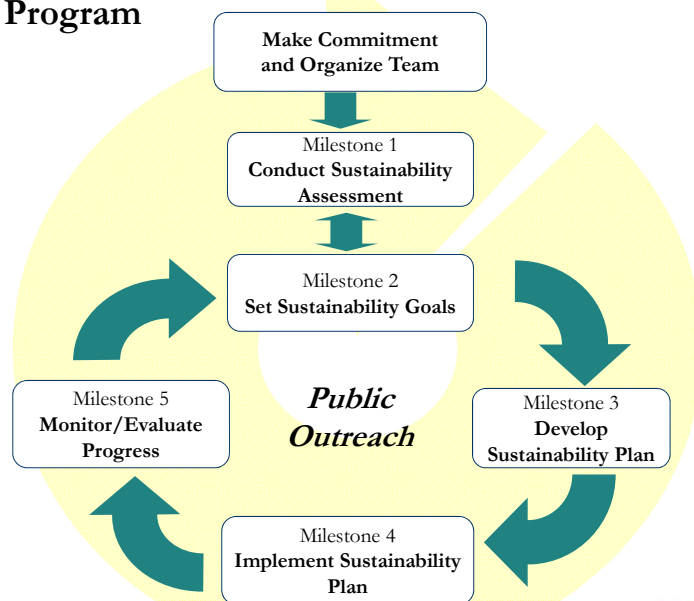


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Sustainability Program

Core Tenants

- Buy-in from the top
- Central mgt & coordination
- Research & analysis from interdepartmental team
- Aggressive but achievable initiatives
- External board guidance
- Inclusive/transparent planning process
- Public accountability
- Institutionalization of the plan and process



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STAR Community Index

STAR is a ground-breaking measurement and rating system for sustainability performance at the community scale.


- Provides a national standard for sustainability
- Consensus-based rating system
- Technology: Sustainability planning and performance management tool




Center for American Progress



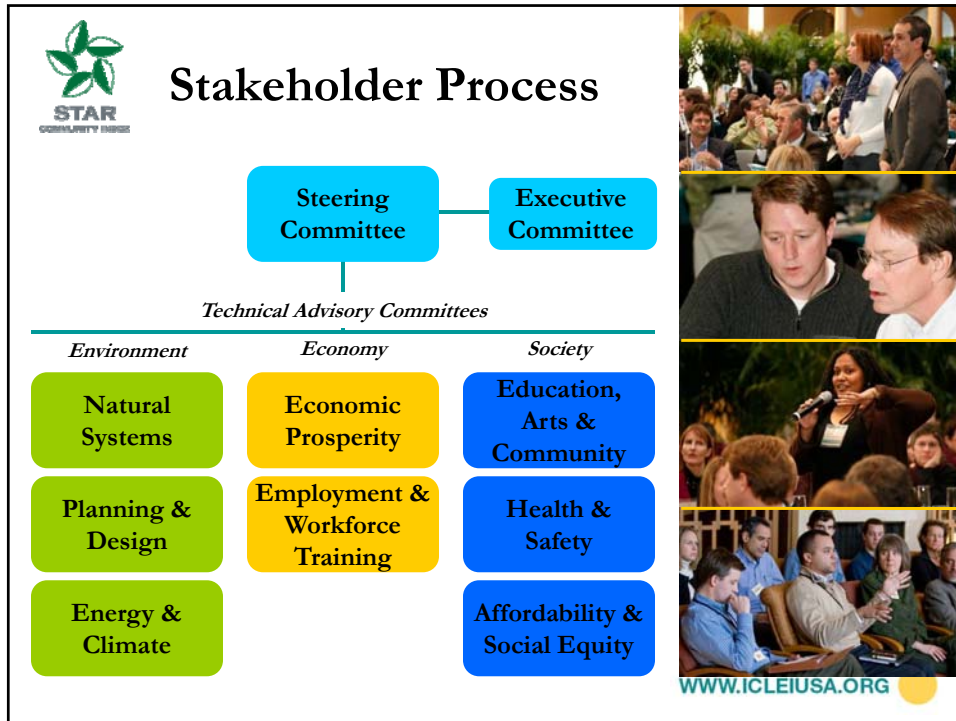
National League of Cities



Existing Landscape

Green Local Government Standard (Florida)
 GreenStep Cities (Oregon, Minnesota, Wisconsin)
 Central Texas Sustainability Indicators
 Communities Count (Washington)

Ecological Economics
 Genuine Progress Indicator
The Ecological Footprint
 SustainLane
College Sustainability Report Card
 Sustainability Tracking, Rating, and Assessment System
Cascadia Report Card
 The Global Reporting Initiative
LEED Building Standards
 LEED-ND standards for neighborhoods
Green Seal GS-11 Paint Standard



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








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

What if... the economy worked for people and communities, and not the other way around.

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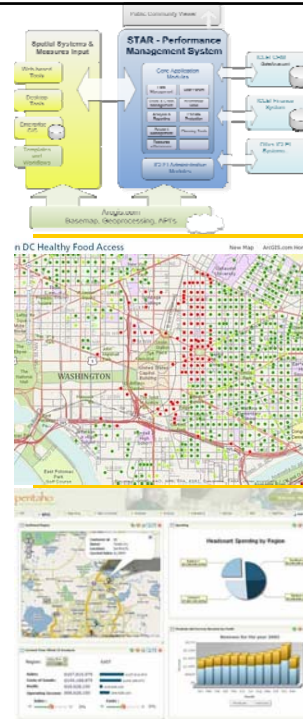
Society

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
Cultural Practices	Indoor Air Quality	Poverty Prevention & Alleviation
Neighborhood Vitality	Toxics Reduction	Civil & Human Rights
Civic Literacy + Engagement	Natural & Human Hazards	Social & Cultural Diversity
Financial Literacy	Emergency Prevention & Response	Environmental Justice
Cultural Practices	Safe Communities	Equity Literacy
	Active Living & Recreation	Adjudication & Restorative Justice
		Community Empowerment
		Equity Assessment & Planning

The STAR Platform: Performance Management Software

A strategic sustainability planning and performance management tool

- Project management and document sharing
- Data-gathering and performance reporting
- Customer management system
- Online commons
- Dashboard integrated with applicant website



Goals of STAR Online Platform

- Leading tool for sustainability planning and performance management
- Easy to use and maintain
- Integrated into local government management functions and reporting – used throughout the government
- Increases transparency
- Enables collaboration and sharing of best practices
- Leverages geo-spatial technology to report on sustainability metrics
- Central repository for local sustainability actions
- Leverages commonly collected data



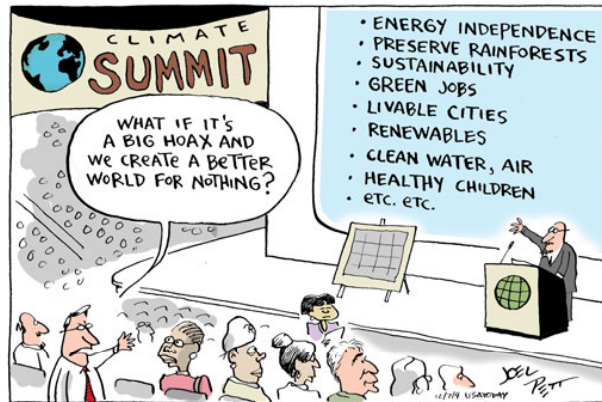
STAR Users

STAR - Performance Management System

Sustainability Office	Local Government Staff	GIS Specialist	ICLEI Staff / Verifier	Public
<ul style="list-style-type: none">• Register a STAR community• Select goals• Manage goals• Manage data• Request rating• Report on progress• Report on aggregate performance• Purchase STAR resources• Publish to sustainability dashboard	<ul style="list-style-type: none">• Support the baseline assessment• Collaborate on goals / planning• Contribute data• Provide GIS data	<ul style="list-style-type: none">• Support the baseline assessment• Produce cartographic deliverables• Use templates• Manage spatial data publishing• Support goal planning process	<ul style="list-style-type: none">• Manage registered communities• Review rating/credit requests• Financial management• Aggregate reporting• Publish to STAR sustainability dashboard	<ul style="list-style-type: none">• View sustainability dashboard• Submit feedback

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Thank you!



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