



Local Climate & Sustainability Action

K.C. Boyce
Deputy Executive Director
Membership & Regional Impact

May 12, 2010

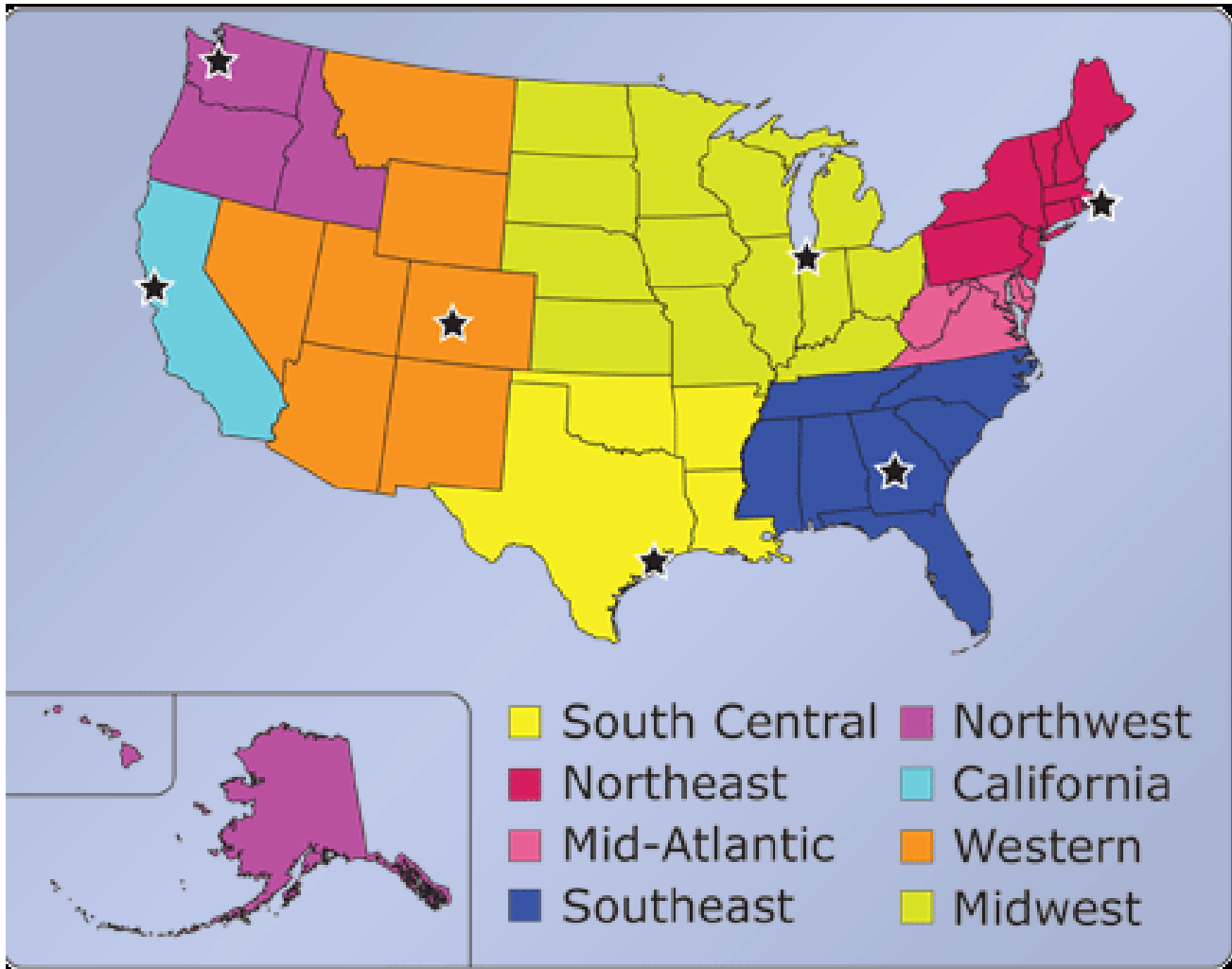
Mission

Our mission is to build, serve, and drive a movement of local governments to advance deep *reductions in greenhouse gas emissions* and achieve tangible *improvements in local sustainability.*

Sample of ICLEI Members' Quantified Savings 2006-2009

n = 15	CO ₂ e (tons)	Total Savings (\$)	Annualized Savings (\$)
Average	689,703	\$16,017,482	\$5,339,161
Total	10,345,551	\$240,262,237	\$80,087,412

ICLEI USA Regions



- Atlanta, GA
- Boston, MA
- Chicago, IL
- Denver, CO
- Houston, TX
- Seattle, WA
- Oakland, CA

ICLEI in Arizona



- Phoenix
- Chandler
- Flagstaff
- Peoria
- Goodyear
- Tucson

What Does ICLEI Provide?

- Access to global network of local government climate leaders
- Training sessions
- Technical assistance for completing inventory
- Technical assistance for developing Climate Action Plan
- Standard methodology
- Emissions analysis software
- Tools and resources (publications)
- Policy and ordinance templates
- Media and recognition



5 Milestone Methodology





Local Government Operations Protocol

Guidance on:

- What to count
- How to count
- How to report
- Consistent, comparable quantification of emissions



The Government Operations Inventory

Sources:

Transportation Fuels, Natural Gas, Electricity, Methane from Solid Waste

Sectors:

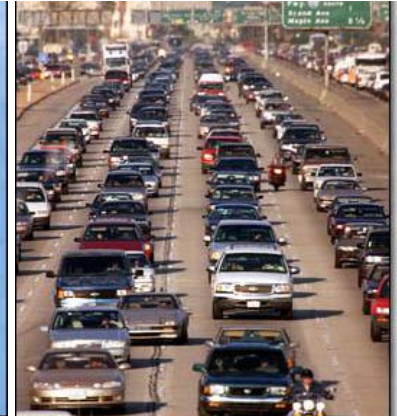
- Buildings
- Vehicle Fleet
- Employee Commute
- Streetlights
- Water/ Sewage
- Solid Waste



Sources: Transportation Fuels, Natural Gas, Electricity, Methane from Solid Waste

Sectors:

- Residential
- Commercial (incl. agriculture)
- Industrial
- Transportation
- Solid Waste



ms1

CACP 2009



Clean Air and Climate Protection 2009 Software © Version 2.2, January 2010

File Year Record Report Assistants Settings Help

Community Analysis **Community Measures** **Government Analysis** **Government Measures**

Government Analysis for Year 2005

Buildings and Facilities | Streetlights & Traffic Signals | Port Facilities | Airport Facilities | Water Delivery Facilities | Wastewater Facilities | Solid Waste F

Name of Building or Facilities Group
Scope 2_City Hall

Record Controls

Insert **Select** **Delete**

◀ ▶ ◀ ▶

Report

Assistants | Categories | Indicators | Coefficients

Forecast Builder

Type	Units	Quantity	Energy Cost (\$)
Electricity (Grid Average)	(kWh)	944,440	64,772
Commercial Coal	(tons)	0	0
Fuel Oil (#1 2 4)	(US gal)	0	0
Kerosene	(US gal)	0	0
Landfill Gas or biogas	(MMBtu)	0	0
Natural Gas	(thousand cu ft)	0	0
Propane	(US gal)	0	0
Stationary Gasoline	(US gal)	0	0
Stationary LPG	(US gal)	0	0
Wood 12 pct moisture	(tons)	0	0

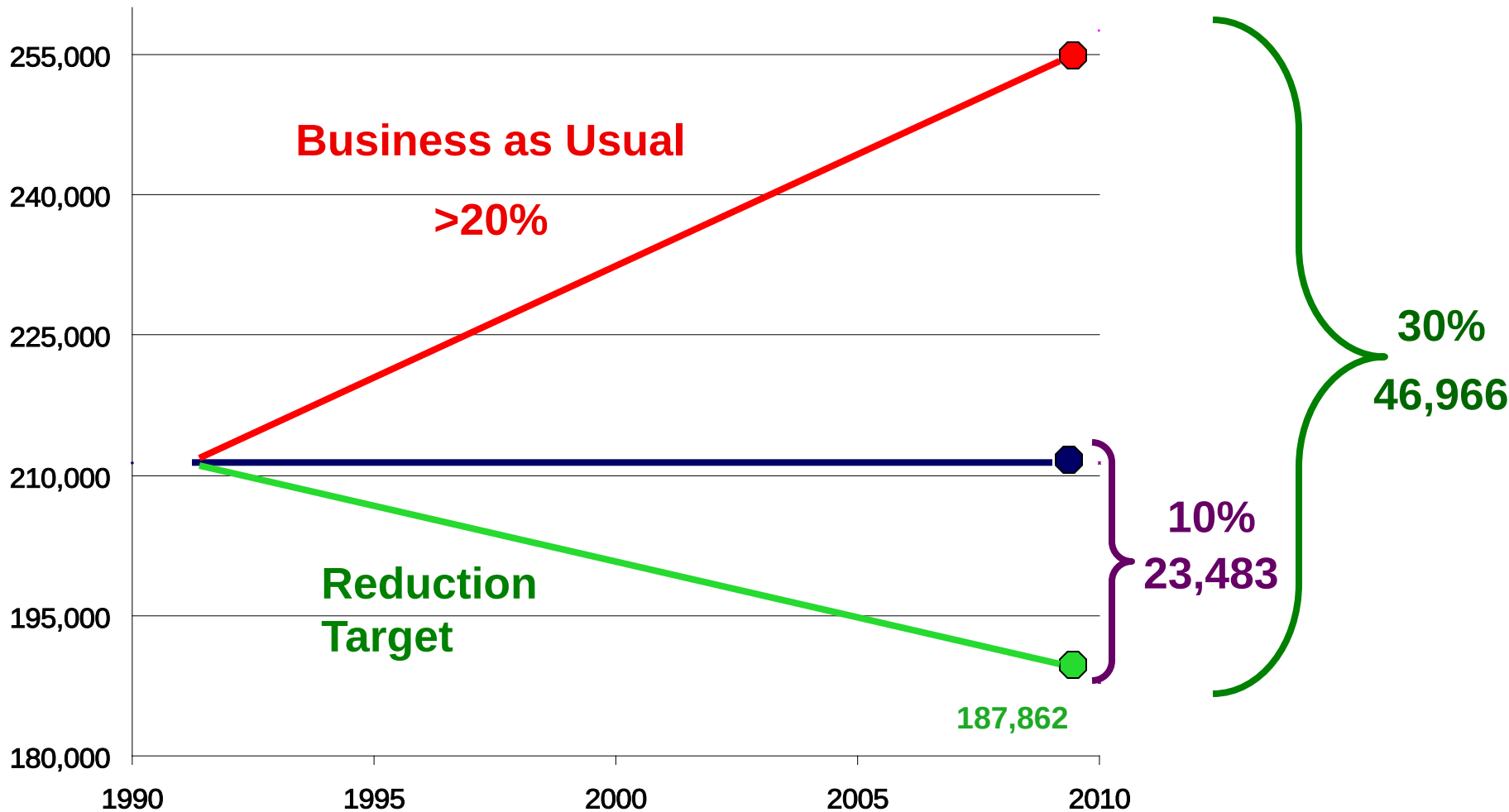
Notes Regarding Buildings and Other Facilities Data

200 S MAIN ST / -5311
City Hall
003900068WE

Energy Consumption (kWh) **944,440** Equivalent CO₂ Production (tons) **628** Cost (\$) **64,772** NO>

15/37

Setting a Goal



ICLEI -- Local Governments for Sustainability - CAPPA

File Edit View Insert Format Tools Data Window Help

Type a question for help

Q13

Developed by

ICLEI
Local
Governments
for Sustainability **USA**

CAPPA
Climate and Air Pollution Planning Assistant

Welcome to the Climate and Air Pollution Planning Assistant - CAPPA V1.2 ©

This tool is designed to assist local governments in identifying emissions reduction projects and policies to implement to meet their own climate and air pollution reduction goals.

To begin using CAPPA, click on one of the links below:

[Explore a Specific Emissions Reduction Strategy](#)

[Create a Comprehensive Emissions Reduction Plan](#)

[User Guide](#)
[Legal](#)

This tool was developed with the assistance of hundreds of local governments throughout the United States. ICLEI would like to thank five Core Research Partners - jurisdictions that provided a wealth of information on 10 or more greenhouse gas emission reduction measures - whose efforts greatly contributed to the completion of CAPPA.

Core Research Partners Include:

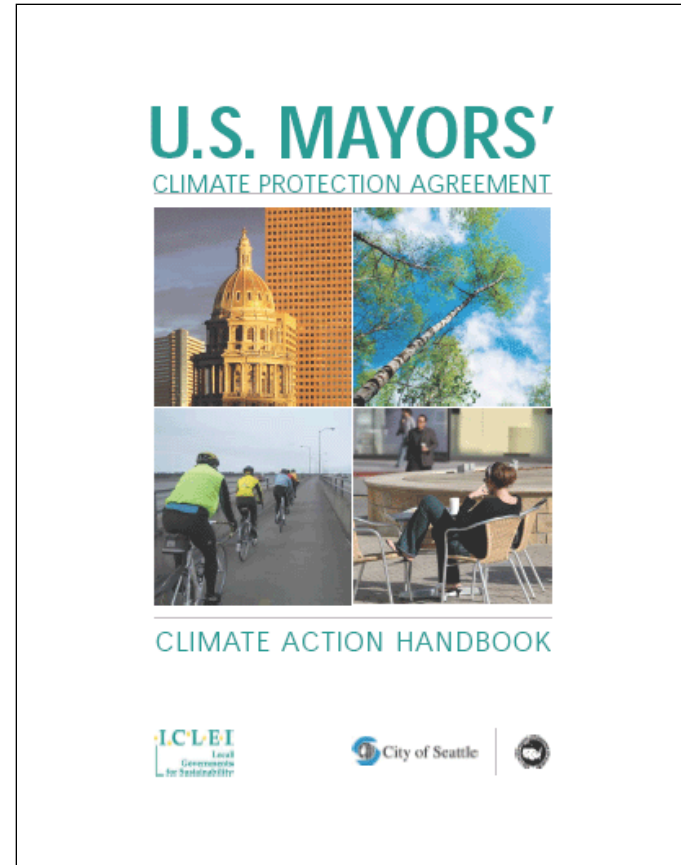
Charlottesville, Virginia
Hillsborough County, Florida
Las Vegas, Nevada
Nashua, New Hampshire
Whatcom County, Washington

Intro Legal LibraryTreeHome LT-EE LT-EE1 Computers Monitors Printers Copiers Refrigerators Vending Machines Water Coolers Dish Washers Clothes

Ready NUM

Planning Resources

- Climate Action Handbook
- Transportation and Land Use Toolkit
- Urban Forestry Toolkit
- Green Fleets Guide
- Local Climate Programs
- Example Ordinances
- Guides on:
  - Revolving Energy Funds
  - Recycling and Solid Waste
  - Green Procurement
  - Communicating Climate Change



“How-to Guides”

- Revolving Energy Funds
- Clean Energy
- Clean School Bus
- Recycling and Solid Waste
- Transportation & Land Use
- Outreach and Communications
- Environmentally Preferable Purchasing
- Small Communities
- Sustainability Planning




bonn center for
local climate action and reporting

Resource Center

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What is
Carbonn ?

city commitments

city actions

city performance

standards

tools

[search carbonn's extensive database for detailed city information ►](#)

enhance cities' action towards low-carbon communities

voluntary reduction targets

emission mitigation measures

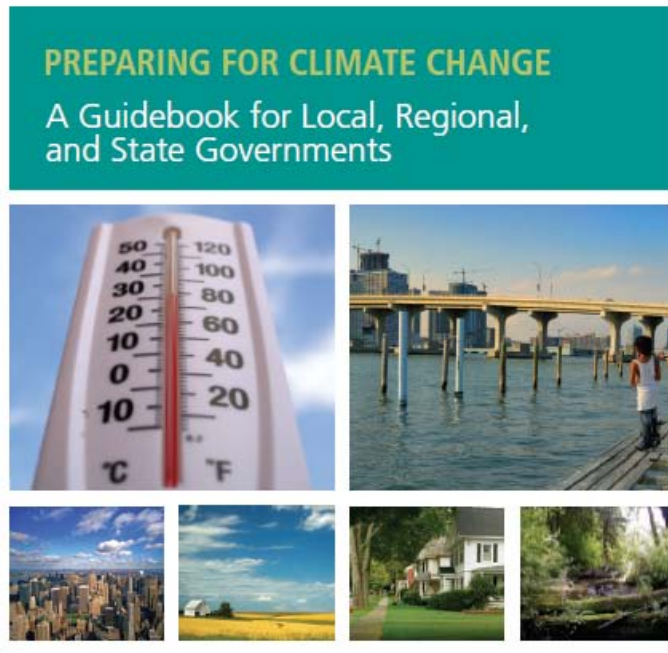
achievement in emission reductions

harmonized emission reporting

accounting and reporting software

Adaptation

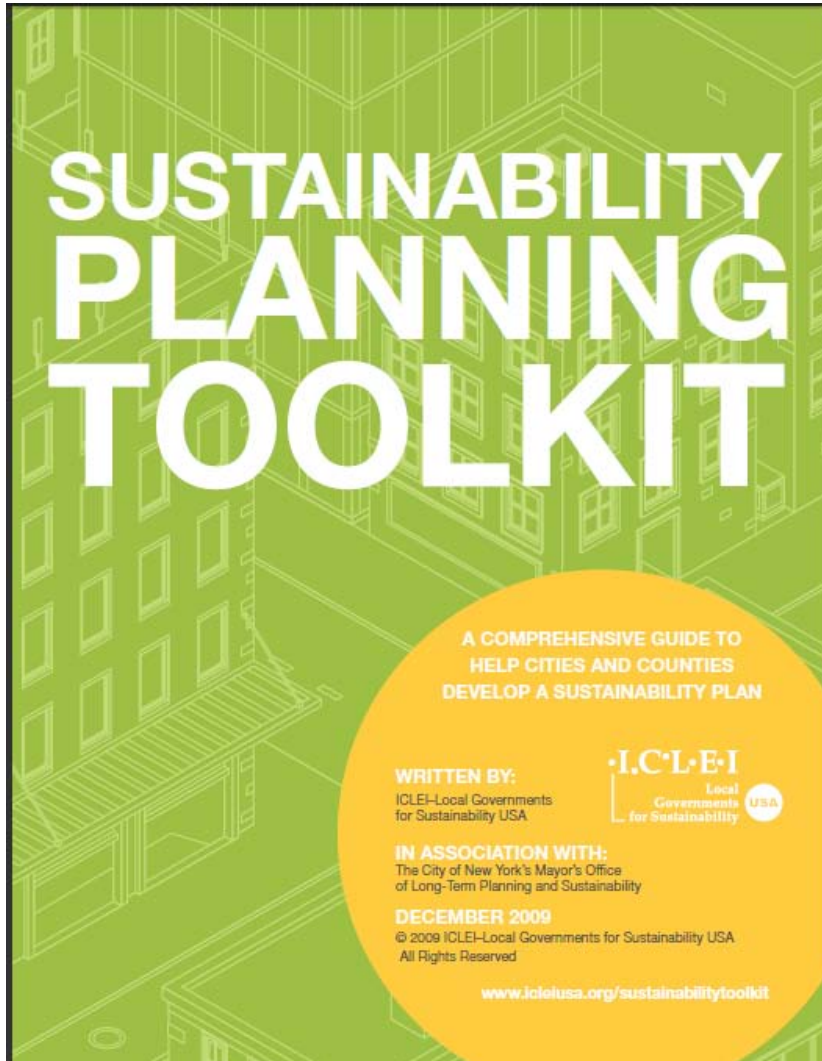
- Adaptation Guidebook
- Pilot Program with 5 Local Governments



Written by
Center for Science in the Earth System (The Climate Impacts Group)
Joint Institute for the Study of the Atmosphere and Ocean
University of Washington
King County, Washington
With an Introduction by King County Executive Ron Sims



Sustainability



- Lessons from PlaNYC
- Three pillars of sustainability

STAR Community Index



Comprehensive Sustainability Performance Rating & Management System

- Natural Systems
- Planning & Design
- Energy & Climate
- Economic Prosperity
- Employment & Training
- Education, Arts & Culture
- Health & Safety
- Affordability & Equity

Action Center



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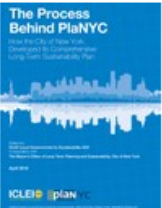


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ICLEI-Local Governments for Sustainability USA is a membership association of more than 600 U.S. local governments committed to climate protection and sustainability.

New York City's Sustainability Success



Download ICLEI's new case study on New York City's keys to success in developing PlaNYC, its groundbreaking sustainability plan.
[>> Learn More](#)

New Federal Funding for Energy & Sustainability



DOT, HUD, and DOE have announced major new funding, including DOT's TIGER II grants for transportation, and DOE's weatherization innovation grants.
[>> Learn More](#)

Latest Blog Entries



>> California Cities Vote in Support of AB 32

>> Leon County First in Florida to Launch Energy Financing Program

Sustainability Toolkit



A COMPREHENSIVE GUIDE TO HELP CITIES AND COUNTIES DEVELOP A SUSTAINABILITY PLAN

[View our Sustainability Planning](#)

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Best Practices



Energy Efficiency Meets Fiscal Responsibility in Jackson, Wyoming

Contents

Introduction	1
Strategy	1
Progress	2
Applying Jackson's Successes	3
Resources	3

Introduction

Surrounded on all sides by the stunning landscapes and unique wildlife of such renowned National Parks like Yellowstone and Grand Teton, it's no wonder that more than two million guests pass through the small town (pop. 9,038) of Jackson, Wyoming on a yearly basis.

Located 6,500 feet above sea level and widely known as a resort community, with its close proximity to ski resorts and majestic mountain ranges, Jackson has a strong local economy and an even stronger legacy of Western culture and values.

The Town of Jackson has been ramping up their environmental initiatives since 2006 and made its first public commitment to climate protection in

November of that year, when Mayor Mark Barron became the first and only Mayor in Wyoming to sign the US Conference of Mayor's Climate Protection Agreement. Shortly after, Jackson joined ICLEI – Local Governments for Sustainability USA (ICLEI). Alongside Jackson, Teton County is the only other jurisdiction in Wyoming to become an ICLEI member.

Recognizing that both local governments were on similar paths to attain greater environmental sustainability for their communities, Jackson and Teton County formed a critical partnership making them the strongest and largest entity in the state committed to local environmental initiatives.



Teton Range, Grand Teton National Park, Source: Wikipedia

Strategy

Touting a message of environmental sustainability would not come without challenges in Wyoming, where the state

economy is driven mainly by the mineral extraction industry, a major greenhouse gas contributor. The Town of Jackson was prepared to sell the idea of sustainability to its constituents; not in terms of limiting economic

activity, but with the goal of increasing efficiency, thus saving money and boosting the local economy.

Using software and assistance from ICLEI, the Town gathered data and began to assess their energy usage in order to determine a baseline year and set a concrete reduction goal.



This case study is part of the Small Communities Toolkit produced by ICLEI-Local Governments for Sustainability and funded by the US Environmental Protection Agency.



A Sustainable Approach to Small Town Expansion in Fairview, Texas

Contents

Introduction	1
Strategy	1
Progress	2
Applying Fairview's Successes	2
Resources	3

Introduction

Fairview, Texas is located in the Dallas-Fort Worth (DFW) Metroplex. The town covers 11 square miles, with a current annual per capita budget of \$1,050.

Starting at a population of fifty in 1958, Fairview has steadily grown to 3,700 residents in 2008. In the last four years alone, the population of Fairview has increased three times. The majority of Fairview's residents are high income earners who live in Fairview and either work in the DFW Metropolitan area or from home. Fairview has also recently housed 2,000 senior residents in a gated golf and country club community.



Fairview Celebrating 50 Years Source: www.fairviewtx.org

Since the 1990s, developers have been trying to bring in the common development approach of building a large number of houses and commercial buildings in open space, which would substantially change the original environment of the area. In order to preserve the rural character and quality of life, the Town of Fairview took a more sustainable approach to small town expansion.

Strategy

Highly aware of the potential impacts new development has on the local environment, the town government, led by the Town Manager, has implemented a series of environmental policies. Some of the policies include:

- A Dark Skies Ordinance that requires new outdoor lighting installations to ensure adequate lighting only where it is needed.
- A Green Building Ordinance that sets minimum standards on energy efficiency, conservation of water, indoor air quality, and recycling for all single family residential buildings.
- Organic Landscape Standards for town parks and municipal facilities

that include water conservation and use of non-toxic fertilizers and pest control products.

- A Comprehensive Environmental Plan called "Green Fairview" that covers programs related to water conservation, water quality, energy conservation, sustainable development, less intrusive development, air quality, and solid waste management.

In addition to adopting these policies, the Town is preserving the rural character of Fairview by developing 80 percent of its residential area as a large single-family lots, and 20 percent as a high density multi-family housing that is within the new commercial development



This case study is part of the Small Communities Toolkit produced by ICLEI-Local Governments for Sustainability and funded by the US Environmental Protection Agency.

Newsletters

ICLEI Connection

Get Engaged. Stay Informed. Be Inspired.



Feb. 18, 2010

A Message From ICLEI USA's New Executive Director



Dear ICLEI Member Liaisons,

I'm a strong mayor at heart, which is why I'm particularly excited to assume executive responsibility for building ICLEI USA. I truly believe that ICLEI is the most important nonprofit in the country because it is leading all efforts to address the serious environmental and economic challenges faced by our cities and counties.

We have important work to do, and I look forward to empowering and supporting you, my fellow local elected officials and staff across the country. Together, we can achieve measurable impacts and make our communities better places to live.

—Martin Chavez, former Albuquerque Mayor and [new Executive Director of ICLEI USA](#)

Green Office Challenge Coming to Arlington County, Charleston, Nashville, and San Diego



ICLEI is proud to announce the selection of four pilot communities for the Green Office Challenge: Arlington County, VA, Charleston, SC, Nashville, TN, and San Diego, CA/Port of San Diego. Congratulations!

These local governments will receive guidance and technical support from ICLEI to launch Green Office Challenge programs in their communities by fall 2010.

The Green Office Challenge, created by ICLEI and the City of Chicago, is an innovative program that engages property managers and office tenants in a friendly competition to save money and reduce energy use and waste in their buildings.

ICLEI is working to make the program replicable for local governments; this pilot program is a first step. ICLEI is also creating a network for more local government staff to share ideas, questions, and challenges

Local Action Updates

Two easy ways to stay up to speed with ICLEI and local climate and energy news in 2010:

- Follow us on Twitter
[@ICLEI_USA](#)
- Bookmark our [Local Action Blog](#)

ICLEI a Top Nonprofit

A group of 139 experts assembled by Philanthropedia have rated ICLEI USA among the top five nonprofits having an impact on climate change.

[>> Read More](#)

New ICLEI Members

The ICLEI Network welcomes the following new

Peer Networking & Learning



Recognition & Leadership Opportunities



Communications Support



- Community Engagement Resources
- Policy Engagement Opportunities
- Promoting Member Success Stories
- Press/Media Outreach Assistance

Sustainable Communities Initiative

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Cities & counties on the front lines of climate, sustainability, & energy action

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New Guide to Federal Funding for Sustainable Communities

[SUSTAINABILITY](#) [FUNDING OPPORTUNITIES](#)

by Kristine Babick, ICLEI Executive Assistant, Apr 28, 2010



The [Partnership for Sustainable Communities](#), a joint venture of HUD, DOT, and the EPA, has just published a comprehensive guide detailing funding opportunities for local governments. The guide, "Leveraging the Partnership: DOT, HUD, and EPA Programs for Sustainable Communities," is intended to help support local governments in their efforts to promote sustainable communities by summarizing the many funding opportunities available through HUD, DOT, and EPA. Millions of dollars are available for everything from public transit and community development to energy efficiency. Also included is a list of regional points of contacts for each agency.

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[3 New Federal Transportation Funding Opportunities for Sustainable Communities](#)
May 07, 2010

[\\$30 Million Now Available for Weatherization Assistance](#)
May 06, 2010

[Central Florida's Kilowatt Crackdown Halfway to Goal](#)
May 04, 2010

[New Guide to Federal Funding for Sustainable Communities](#)
Apr 28, 2010

[Local Action Roundup](#)
Apr 28, 2010

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Where to Begin?

“Embarking on an environmental program sounds like a great idea. But if you're a mayor trying to cut greenhouse gases, where do you begin? How do you even know how to measure your current levels? That's where an organization called ICLEI — Local Governments for Sustainability can help.”

From “Mayors Take the Lead” in Newsweek’s 2007 Earth Day issue:



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