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Central New York Regional Planning
and Development Board

Environmental Finance Center
Smart Management for
Small Communities
@ Holiday Valley, Ellicottville, NY
October 7, 2010

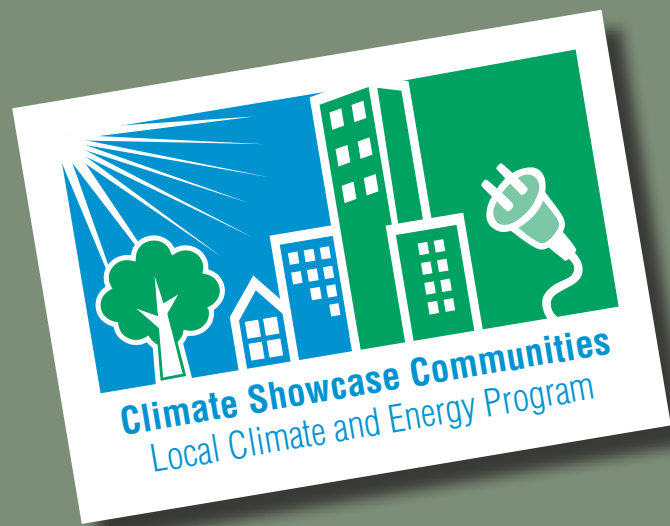


BACKGROUND

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NEXT STEPS



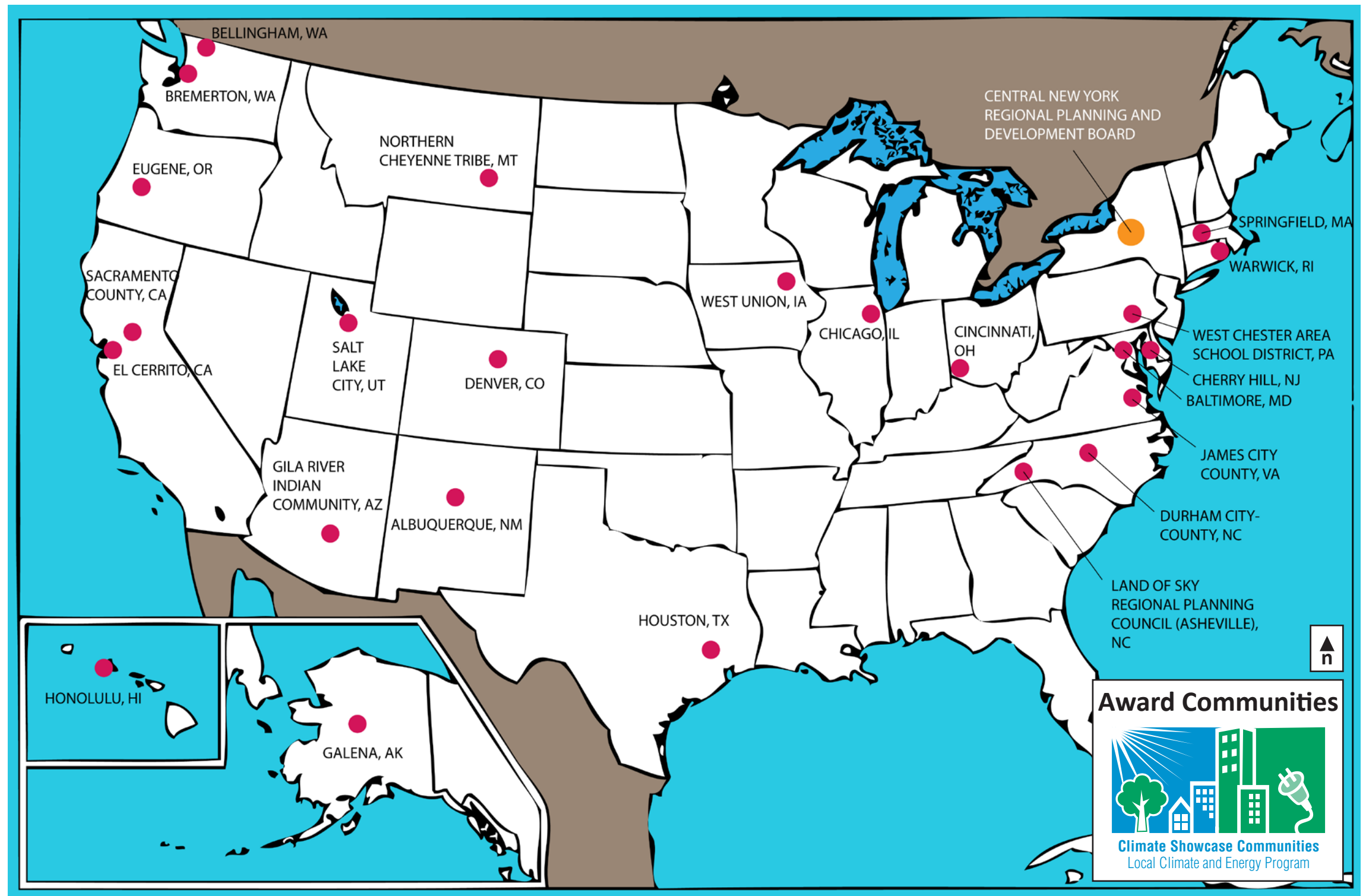
Governments can lead by example by implementing programs within their own buildings and operations that reduce greenhouse gas emissions and save energy and money.

EPA Climate Showcase Communities

- + competitive grant program launched in 2009 to assist local and tribal governments in establishing climate change initiatives
- + create replicable models of sustainable community action that generate cost-effective and persistent greenhouse gas reductions while improving overall community livability

EPA CLIMATE SHOWCASE COMMUNITIES

AWARD COMMUNITIES 2009

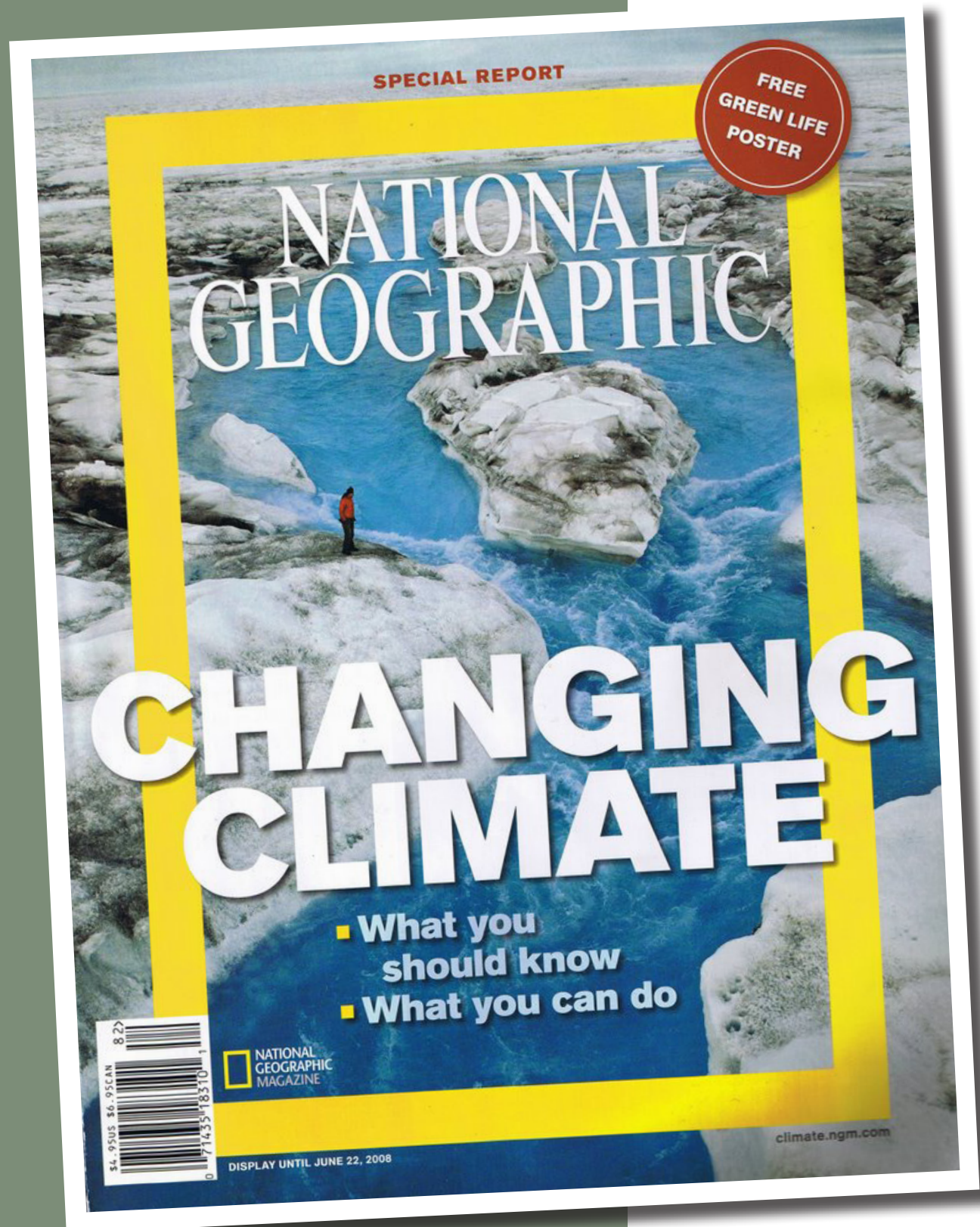


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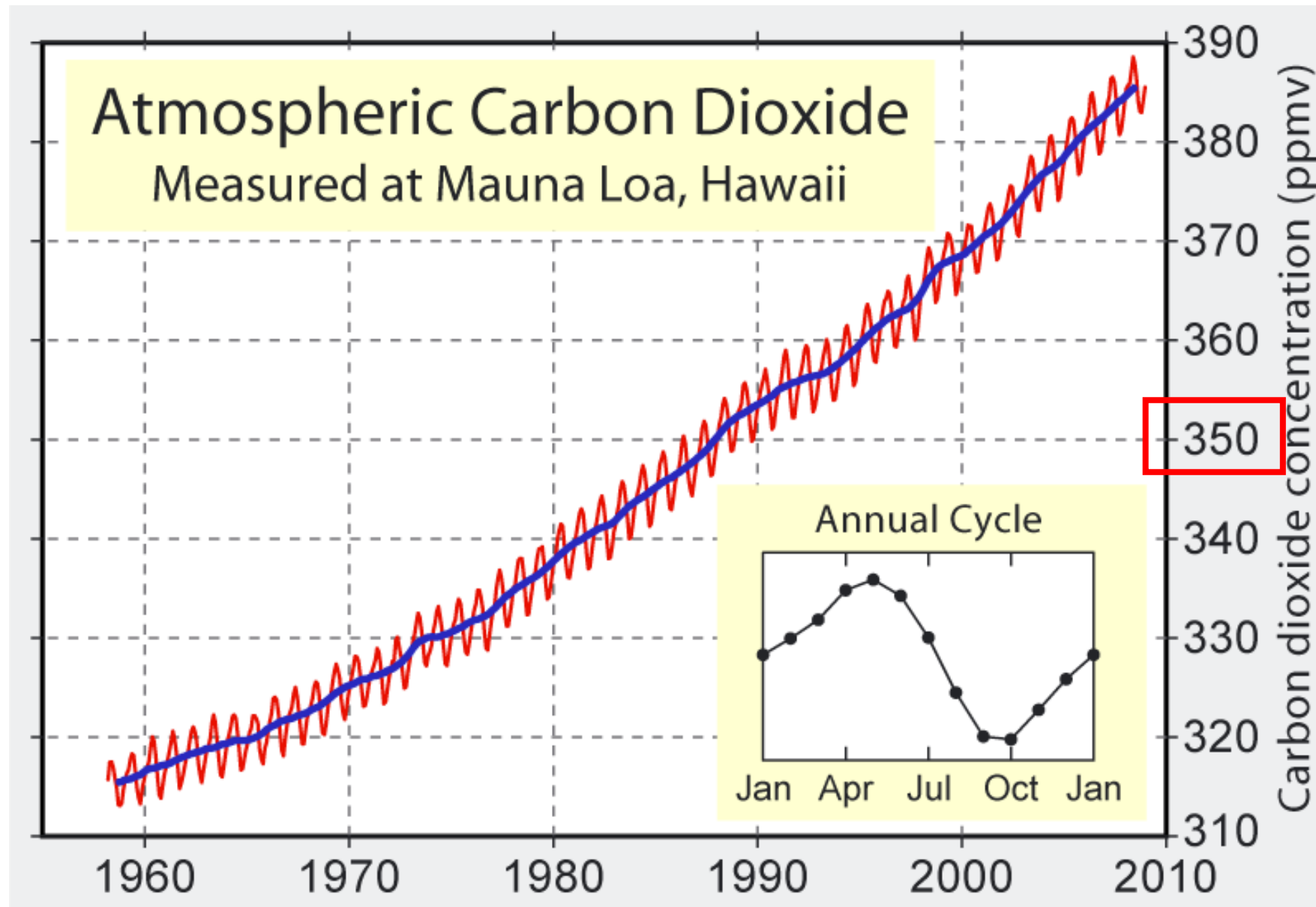


The Problem

- + carbon dioxide and other greenhouse gases can remain in the atmosphere for decades, centuries, or longer
- + the climate change impacts from greenhouse gases emitted today will likely continue well beyond the 21st century

ATMOSPHERIC CARBON DIOXIDE

TRENDS 1960-2010

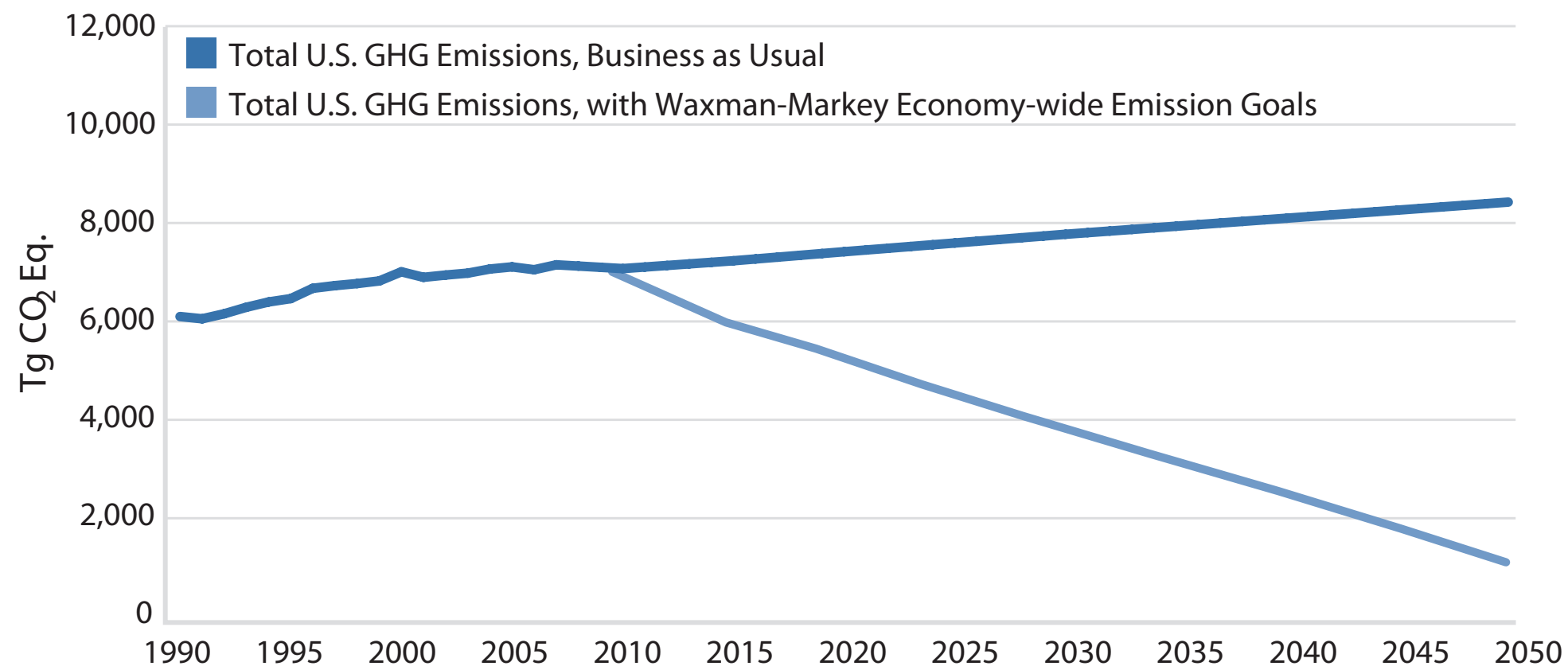


GREENHOUSE GAS EMISSIONS

FEDERAL REDUCTION TARGETS

Projected U.S. GHG Emissions Meeting Recently Proposed Goals Versus Business as Usual

By 2050, the Obama administration's goal is to reduce U.S. greenhouse gas emissions approximately by 83 percent from 2005 levels, in the same range as legislation passed by the U.S. Congress.

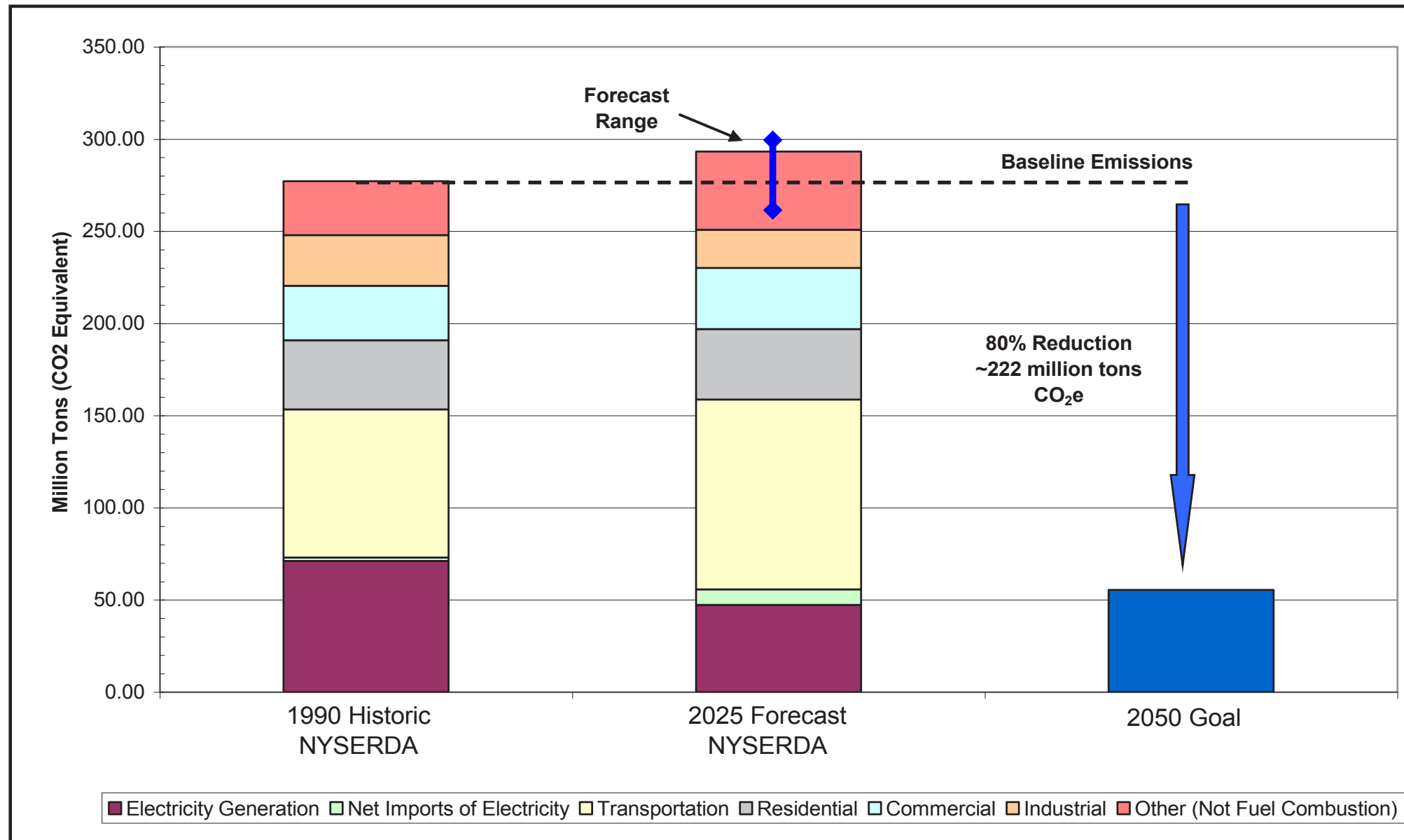


Source: U.S. EPA 2009. The historical data are derived from the Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990–2007; the baseline scenario is from EPA's ADAGE (Applied Dynamic Analysis of the Global Economy) model; and the decreasing emissions line is EPA's interpretation of the Waxman-Markey bill.

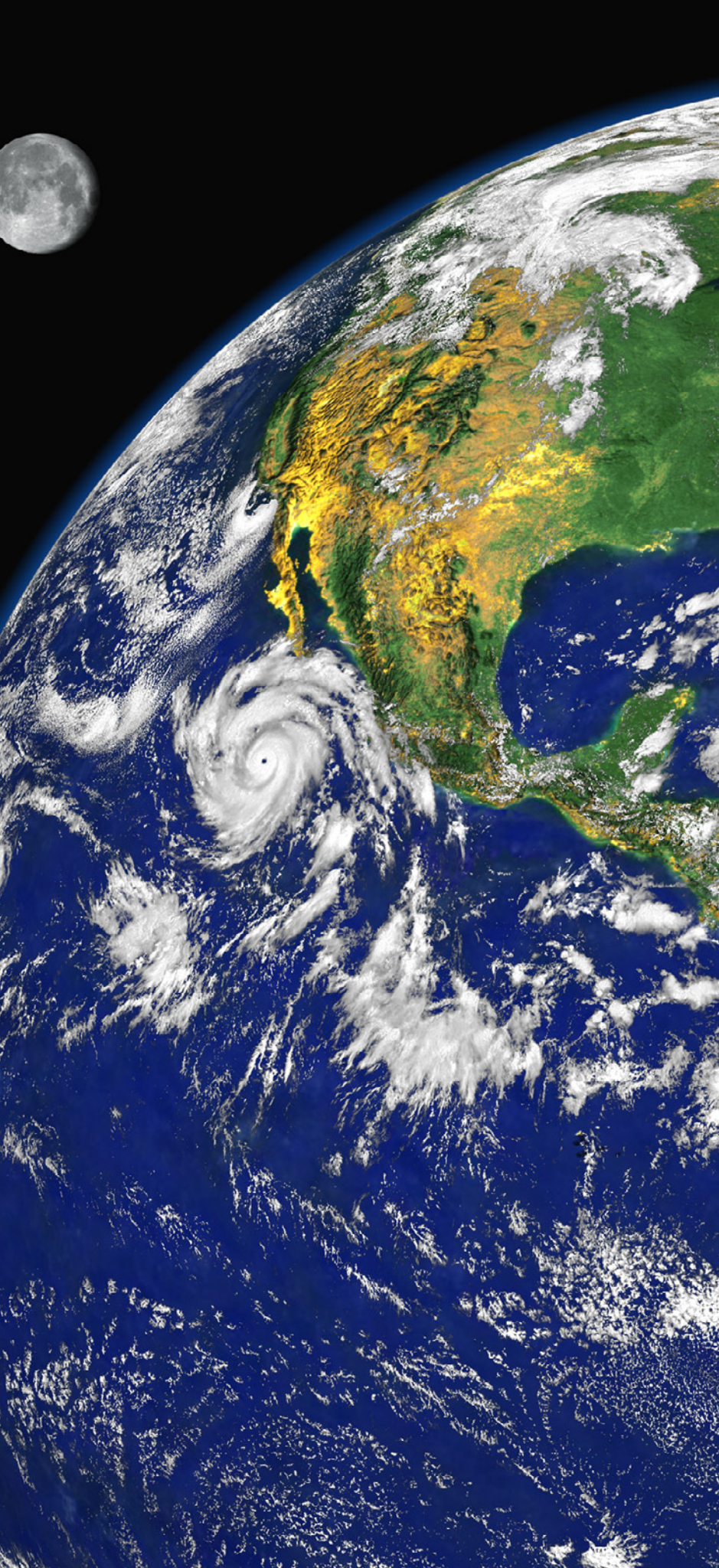
GREENHOUSE GAS EMISSIONS

STATE REDUCTION TARGETS

NYS Energy Plan: Climate Change Issues Brief *Emission Reductions to Meet a 2050 Goal*



Source: Department of Environmental Conservation (DEC) Chart based on NYSDERDA Inventory and Forecast Data



The Solution

- + No single solution can eliminate future warming
- + Personal, local, regional, national, and international choices have impacts
- + Saving energy, driving less, reducing waste, and utilizing clean energy technologies would all help to reduce emissions

Municipal Action

- + Local governments have an important role to play in advancing clean energy and **reducing greenhouse gas** emissions that contribute to climate change
- + Local governments grapple with tightening budgets, but nearly **one-third of the energy used to run typical government buildings can be conserved**
- + Governments can lead by example by implementing programs within their own buildings and operations that **reduce greenhouse gas emissions and save energy and money**

Local Governments Can:

- + Encourage building and growth that reflect traditional, mixed use neighborhoods rather than sprawl
- + Legislate energy-efficient building codes
- + Construct public transit systems, pedestrian areas, and bicycle lanes
- + Provide reuse, recycling, composting, and other waste reduction services
- + Encourage combined or district heating, cooling and power systems

Local Governments Can:

- + Plant trees and expand green space
- + Buy green, renewable power
- + Provide energy saving measures for the community
- + Lead by example by maximizing energy efficiency and waste reduction in local government buildings, facilities and operations

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Municipal Energy Planning

The CNY RPDB assists local governments with accessing funding and technical assistance through state and federal agencies and offers services including inventorying energy use; implementing energy reduction strategies, clean energy projects, and policies to support renewable energy technologies.

Project Development

The CNY RPDB manages the clean energy project development process for municipal and institutional energy users, including identifying project opportunities, leading feasibility studies, securing funding, and working with technology providers.

Public Education and Outreach

The CNY RPDB educates the public about the benefits of clean energy and promotes participation in utility and public programs. We conduct customized informational workshops for residential, commercial, municipal, and institutional energy users.

Our Award



- + Assist in the development of demonstration projects as well as municipal initiatives that promote clean energy, greenbuildings, and the utilization of alternative forms of transportation and land use that reduce vehicle miles traveled.

The Program

- + Participants will be selected through a competitive process - 9 Municipalities over 3 years within the 5 CNY RPDB Counties
- + Participants must complete a carbon inventory of their local government operations and a local climate action plan
- + Participants will receive up to \$30,000 for demonstration projects (i.e., facilitates retrofit, upgrading municipal fleets, or renewable energy feasibility analysis)



The Program

- + Participants will be provided with financial assistance to join ICLEI USA
- + CNY RPDB will assist in the development and coordination of public outreach to encourage the general public to commit to individual energy saving goals
- + CNY RPDB will review municipal land use and zoning ordinances and make recommendations for modifications

The CNY RPDB has become one of the first regional councils in the U.S. to join ICLEI USA under the newly created regional affiliate category.

ICLEI is an international membership association of local governments dedicated to climate protection and sustainable development. Established as the International Council for Local Environmental Initiatives, the official name is now ICLEI-Local Governments for Sustainability.

ICLEI USA, launched in 1995, includes a network of more than 600 municipalities, and is the domestic leader on climate protection and adaptation, and sustainable development at the local government level.

Five Milestones

ICLEI's Cities for Climate Protection® (CCP) campaign.

1. Conducting a baseline emissions inventory and forecast
2. Setting an emissions reduction target
3. Developing an action plan to meet the target
4. Implementing actions in the plan; and
5. Monitoring and verifying emissions reduction progress

ICLEI's Cities for Climate Protection® (CCP) campaign.

Milestone #1: Conducting a baseline emissions and inventory forecast

What activities in your community are causing GHG emissions and the quantity each of these activities is contributing

Baseline emissions inventory consists of two separate analyses – municipal operations and community wide activities

ICLEI's Cities for Climate Protection® (CCP) campaign.

Milestone #2: Setting an emissions reduction target

A **reduction target** is the specific GHG emissions **reduction goal** that your local government aims to achieve by a **designated year**.

Cities who are signatories of the Mayor's Climate Protection Agreement, have committed to reducing emissions **7 % below 1990 levels (the baseline year) by 2012 (the target year)**.

ICLEI's Cities for Climate Protection® (CCP) campaign.

Milestone #3: Developing an action plan to meet the target

The **Climate Action Plan** is a description of the actions – policies, programs, and projects – that a local government will take to meet its GHG reduction target.

The Action Plan does not need to be a long document and it is ok if it is incorporated into another plan or document. ICLEI has developed a number of **document templates** for Climate Action Plans that municipalities can use to guide their report development.

ICLEI's Cities for Climate Protection® (CCP) campaign.

Milestone #4: Implementing actions in the plan

No plan is worth its salt unless it is implemented.

Implementing the actions is an on-going process that will probably last through the target date—but the key point is to keep taking action until the GHG reduction goal is reached.

ICLEI's Cities for Climate Protection® (CCP) campaign.

Milestone #5: Monitoring and verifying emissions reduction progress

Monitor the **progress** being made toward the target and the status of implementing the GHG reduction actions, so the community can feel proud of its accomplishments and adjustments can be made to keep on track.



CHANGE THE WORLD, START WITH ENERGY STAR.

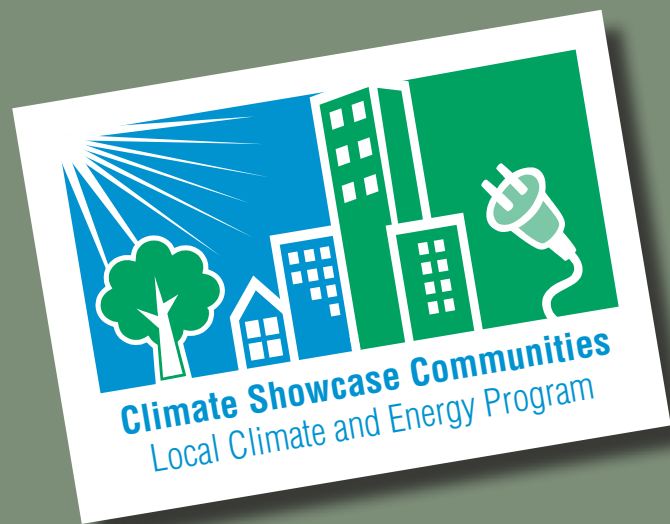
U.S. Environmental Protection Agency • U.S. Department of Energy

Municipalities will be encouraged to become pledge drivers through the EPA Change the World: Start with Energy Star Campaign

ENERGY STAR was introduced by EPA in 1992 as a voluntary, market-based partnership to reduce greenhouse gas emissions through energy efficiency.

In 2009 alone, Americans, with the help of ENERGY STAR, prevented 45 million metric tons of greenhouse gas emissions—equivalent to the annual emissions from 30 million vehicles—and saved nearly \$17 billion on their utility bills.

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Program Rollout

- + CNY RPDB solicited proposals from municipalities and is currently reviewing program applications
- + CNY RPDB will **require** that selected participants attend a program orientation and workshop
- + Each participant will receive an individualized project timeline, CNY RPDB and ICLEI will work together to solicit internships to provide additional assistance

Questions?



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