



CLIMATE SMART COMMUNITIES

Program Overview



**Climate Change:
Adaptation and Building Resiliency in Our Communities**

Union College, Schenectady, NY ~ Friday, January 24, 2014

NYS CLIMATE CHANGE IMPACTS

Sea levels are 1 foot higher than in 1900 and will rise another foot before 2050.



Extreme rainstorms and hurricanes are 64% more frequent now than in 1948.



“ Local governments in NY are responding by participating in programs like Climate Smart Communities to reduce our carbon footprint. ”

>> Mayor Mike Manning, Watervliet Climate Action Plan

2008:



CLIMATE SMART COMMUNITIES

NYS to reduce GHG emissions **80%** below **1990** levels by **2050**



NYS CLIMATE SMART GOALS

Total # of NYS
Climate Smart
Communities:



120

- ✓ Reduce GHG Emissions
- ✓ Adapt to a Changing Climate
- ✓ Save Tax Payer Dollars
- ✓ Advance Community Goals



10 Pledge Element Framework

Guides local governments in the development & implementation of
successful local climate action programs.





10 Pledge Element Framework

- #1 Pledge to Combat Climate Change by Becoming a CSC**
- #2 Set Goals, Inventory Emissions, & Move to Action**
- #3 Decrease Energy Demand for Local Government Operations**
- #4 Encourage Renewable Energy for Local Government Operations**
- #5 Realize Benefits of Recycling & Other Climate Smart Solid Waste Management Practices**
- #6 Promote Climate Protection Through Community Land Use Tools**
- #7 Plan for Adaptation to Unavoidable Climate Change**
- #8 Support a Green Innovation Economy**
- #9 Inform & Inspire the Public**
- #10 Commit to an Evolving Process**





CSC Regional Coordinator Pilot Program

2012 – 2015

- ✓ Provide Technical Assistance in 4 Regions
- ✓ Support Climate Smart Actions Under 10 Pledge Elements
- ✓ Completed Capital Region GHG Inventory
- ✓ Share CSC Best Practices

For more info, visit: <http://www.cdrpc.org/>





CSC Regional Coordinator Pilot Program

CLIMATE SMART BENEFITS

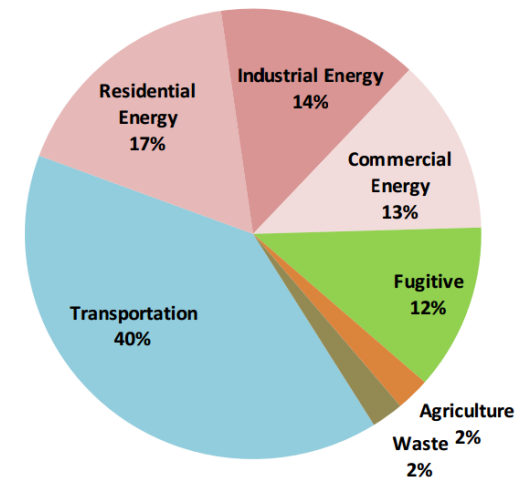
- ★ Direct Technical Assistance
- ★ Training & Webinars
- ★ Networking Opportunities
- ★ Access to Climate Protection Resources
- ★ Reduce GHG Emissions
- ★ Save Tax Payer Dollars
- ★ Advance Goals for Health & Safety
- ★ Demonstrate Leadership



Capital District 2010 Regional GHG Inventory

With community GHG inventories
for all 160 municipalities in the
Capital District.

Capital Region GHG Emissions By Sector (2010)





CSC Regional Coordinator Pilot Program

Capital Region Technical Assistance:



In-Person Consultations

- Elected Officials, Staff or Volunteers



Community Profiles

- Tracks Progress under 10 Pledge Elements



Custom Service Strategies

- Develop Approach to meet Local Governments' Climate Protection Priorities





CSC 10 Pledge Elements

#1 Adopt the Climate Smart Communities Pledge

#2 Set Goals, Inventory Emissions, & Move to Action

“ You can't manage what you don't measure. ”





CSC 10 Pledge Elements

#2 Set Goals, Inventory Emissions, & Move to Action



Capital District 2010 Regional GHG Inventory

With community GHG inventories for all 160 municipalities in the Capital District.

Prepared for
The New York Energy Development and Research Authority (NYSERDA), Albany, NY.
Jennifer Manierre, Associate Project Manager

Prepared by
The Capital District Regional Planning Commission (CDRPC)
Todd Fabozzi, Project Manager



and

Climate Action Associates LLC
Jim Yienger, Lead Author

NYSERDA Contract #24253

FINAL REPORT: 5/20/2013



The City has taken the NYS Climate Smart Communities Pledge to reduce GHG emissions 10% below 2008 levels by 2014. To succeed, the City has made a commitment to help Residents and Businesses reduce energy consumption. Please join us in this city-wide effort. Watervliet City Hall



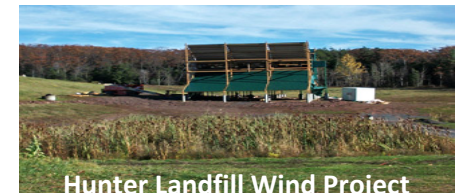
Sustainable Bethlehem

TOWN OF BETHLEHEM 2010 Greenhouse Gas Emissions Inventory

2010 Municipal Operations Emissions = 5,541 metric tons CO₂e = Amount of greenhouse gas emissions annually from 1,086 passenger vehicles



The Town of Hunter
New York



Hunter Landfill Wind Project

Climate Smart
Action Plan

December 2009





CSC 10 Pledge Elements

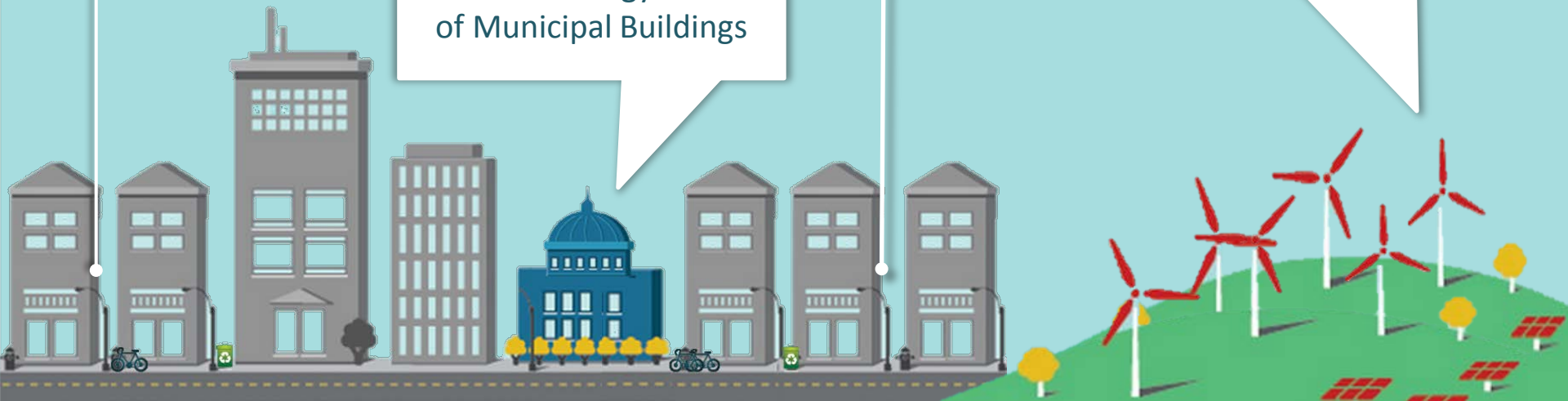
#3 Decrease Energy Demand for Local Govt. Operations

#4 Encourage Renewable Energy Local Govt. Operations

Upgrade Streetlights & Traffic Signals to LED Lamps

Conduct Energy Audits of Municipal Buildings

Install Wind, Solar or Geothermal Energy Systems





Climate Smart Niskayuna



#3 Decrease Energy Demand for Local Govt. Operations

ACTION: Install a building energy management system



#4 Encourage Renewable Energy for Local Govt. Operations

ACTION: Install a Solar PV System through a Power Purchase Agreement



CSC 10 Pledge Elements

#5 Realize Benefits of Recycling and Other Climate Smart Solid Waste Management Practices

#6 Promote Climate Protection with Community Land Use Tools

Adopt a Comprehensive Plan for Sustainability

Provide Public Recycling Bins

Adopt a Complete Streets Policy

Increase Use of Public Transit

Promote Smart Growth Development





Climate Smart Saratoga Springs



#6 Promote Climate Protection with Community Land Use Tools

ACTION: Adopt a Complete Streets Policy

- Establish Shared Access Advisory Board
- Develop Complete Streets Checklist
- Make Information Accessible on City Website





CSC 10 Pledge Elements

#7 Plan for Adaptation to Unavoidable Climate Change

#8 Support a Green Innovation Economy

Create Buy Local Campaigns or Promote Farmers' Markets

Develop Climate Adaptation Plans

Implement Low Impact Development





Climate Smart Rensselaer



#8 Support a Green Innovation Economy

ACTION: Redevelop a Brownfields Site

- City of Rensselaer participated in NYDOS Brownfields Opportunity Program & EPA Brownfields Program





CSC 10 Pledge Elements

- #9 Inform and Inspire the Public
- #10 Commit to an Evolving Process





CLIMATE SMART COMMUNITIES

What can you do?

Take the Pledge!

Go to NYS DEC website:

<http://www.dec.ny.gov/energy/65494.html#Model>

Model Pledge for Community Adoption

Council member _____ moved and Council member _____ seconded that:

WHEREAS, the Town/Village/City of _____ (hereinafter "local government") believe burning of fossil fuels; and

WHEREAS, the effects of climate change will endanger our infrastructure, economy and lives and exotic diseases; reduce drinking water supplies and recreational opportunities; and pose

WHEREAS, we believe that our response to climate change provides us with an unprecedentedly healthy and safe schools, and resilient infrastructures; and

WHEREAS, we believe the scale of greenhouse gas (GHG) emissions reductions required

WHEREAS, we believe that even if emissions were dramatically reduced today, communities

IT IS HEREBY RESOLVED that Town/Village/City of _____, in order to reduce

1. Pledge to Combat Climate Change by Becoming a Climate Smart Community
2. Set Goals, Inventory Emissions, Move to Action
3. Decrease Energy Demand for Local Government Operations
4. Encourage Renewable Energy for Local Government Operations
5. Realize Benefits of Recycling and Other Climate Smart Solid Waste Management Practices
6. Promote Climate Protection through Community Land Use Planning
7. Plan for Adaptation to Unavoidable Climate Change
8. Support a Green Innovation Economy
9. Inform and Inspire the Public
10. Commit to an Evolving Process





CLIMATE SMART COMMUNITIES



Todd Fabozzi, Program Manager
Capital District Regional Planning Commission

todd@cdrpc.org - (518) 453 - 0850

<http://www.cdrpc.org/>

Angela Vincent, Sustainability Project Manager
VHB

avincent@vhb.com - (603) 305-5385

