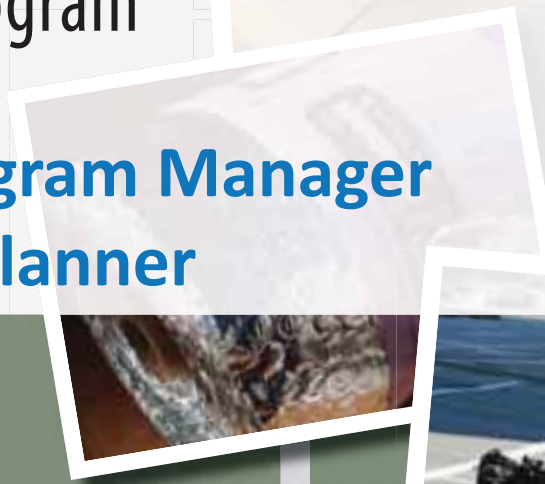
US EPA ARCHIVE DOCUMENT

US EPA ARCHIVE DOCUMENT

Central New York
climate change
innovation program



Chris Carrick, Energy Program Manager

Samuel Gordon, Senior Planner

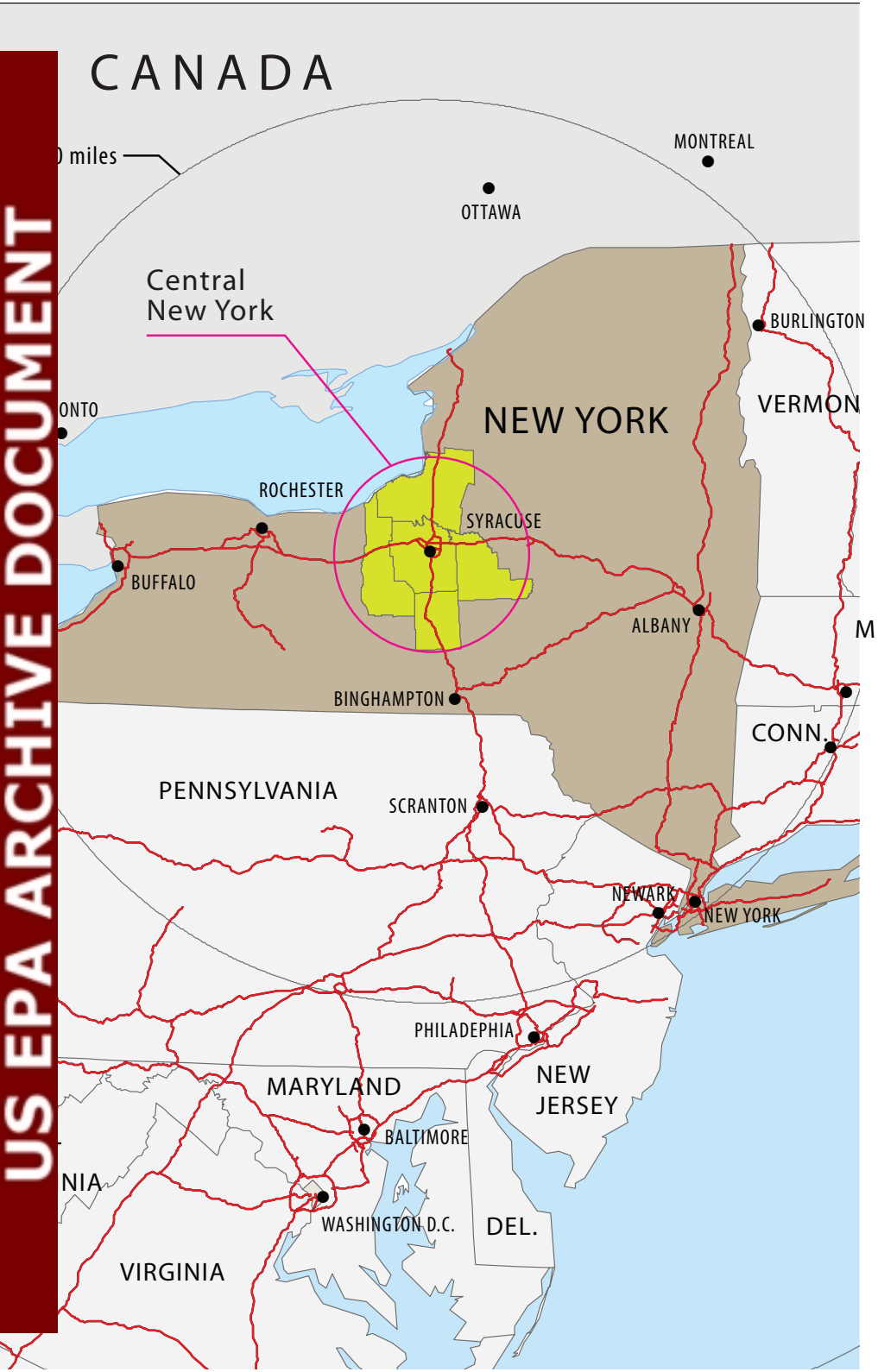
Central New York
Regional Planning
and Development Board

EPA Climate Action Planning Webcast

November 17, 2011

Central New York Regional Planning & Development Board

US EPA ARCHIVE DOCUMENT



CENTRAL NEW YORK
REGIONAL PLANNING AND DEVELOPMENT BOARD

RPDB energy management

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.

US EPA ARCHIVE DOCUMENT

The Program

- Participants were selected through a competitive process
- 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., facilites retrofit, upgrading municipal fleets, renewable energy)
- Citizen Engagement

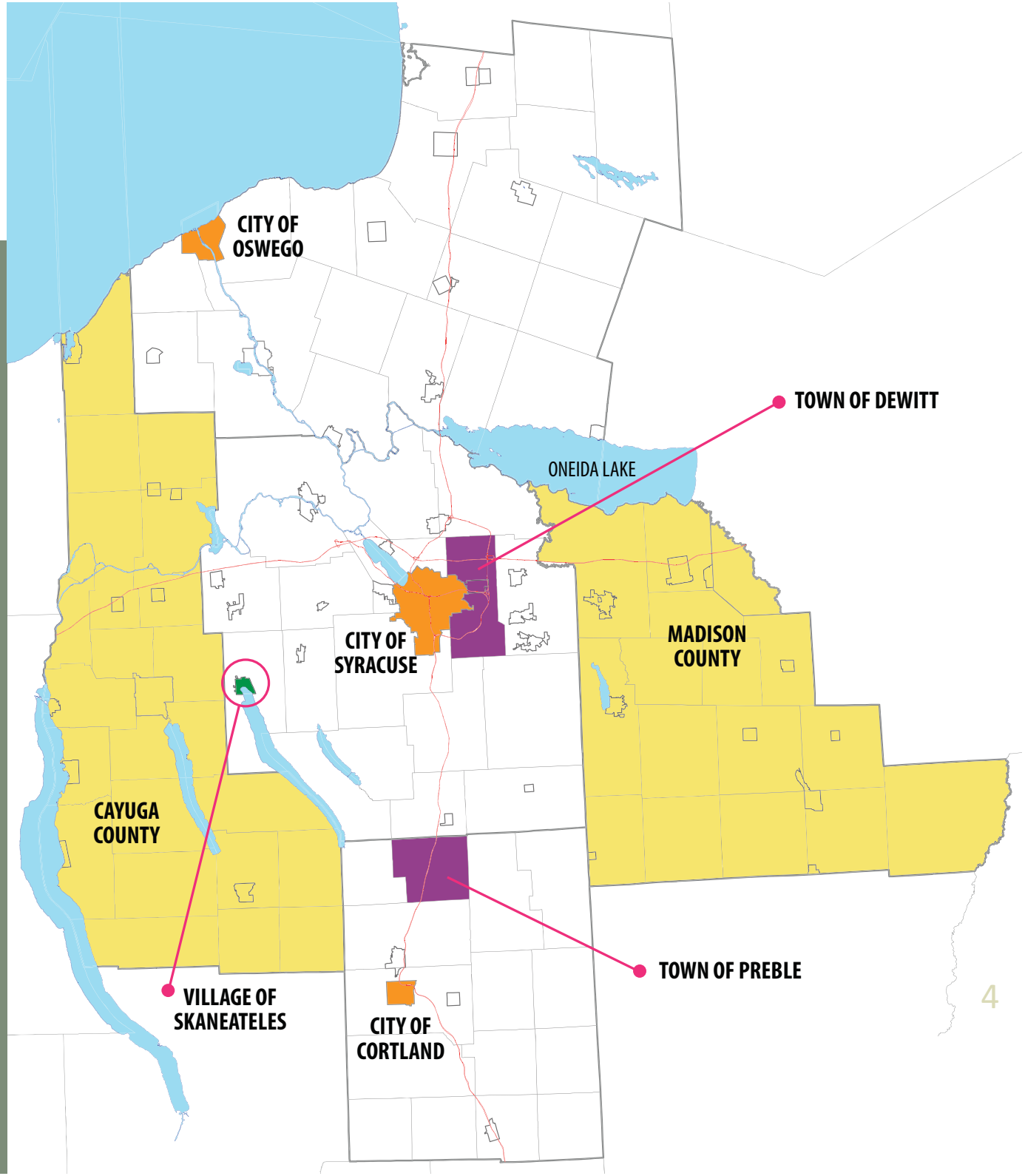
Central New York
cip climate change innovation program

US EPA ARCHIVE DOCUMENT

Central New York
climate change
innovation program

- Local Governments can play a key role in climate action through leading by example
- Climate action can take place at any scale regardless of size or political orientation

Climate Showcase Communities
Local Climate and Energy Program



US EPA ARCHIVE DOCUMENT

Municipal Participant Characteristics

vernment Name	Government Type	Community Type	Population	% of regional population	Project Manager	Energy /Climate Experience	Community Motivations
uga County	County	Rural	81,963	10.4%	Planning Staff	moderate	economic growth
dison County	County	Rural	69,766	8.8%	Planning Staff	moderate	economic growth
acuse	City (Onondaga County)	Large City	147,306	18.6%	Sustainability Director	high	being green, energy savings
tland	City (Cortland County)	Small City	18,740	2.4%	Facilities Supervisor	low	energy savings, being green
vego	City (Oswego County)	Small City	18,096	2.3%	Community Development Director	moderate	being green, energy savings
vitt	Town (Onondaga County)	Suburban	24,071	3.0%	Sustainability Director	high	being green, energy savings
ble	Town (Cortland County)	Rural	1,582	0.2%	Volunteer Committee	low	energy savings
neateles	Village (Onondaga County)	Rural	2,500	0.3%	Director of Municipal Operations and Volunteer Committee	moderate	energy savings, being green

Municipal Climate Action Workshop (US EPA, NYS DEC, NYSERDA, ICLEI)

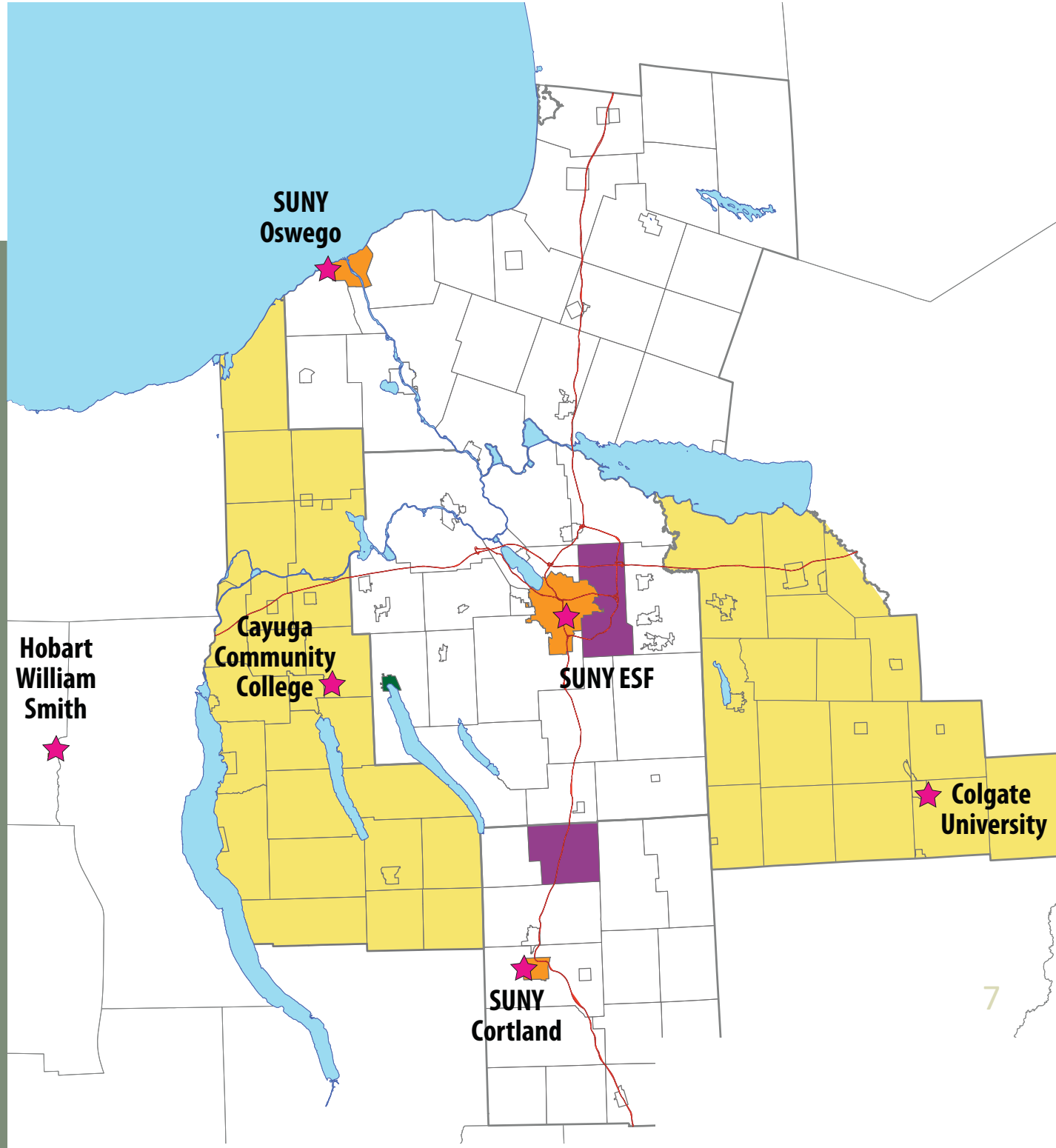
US EPA ARCHIVE DOCUMENT

US EPA ARCHIVE DOCUMENT

Central New York
climate change
innovation program

ADDITIONAL RESOURCES

ACADEMIC PARTNERSHIPS
American College and University Presidents' Climate Commitment

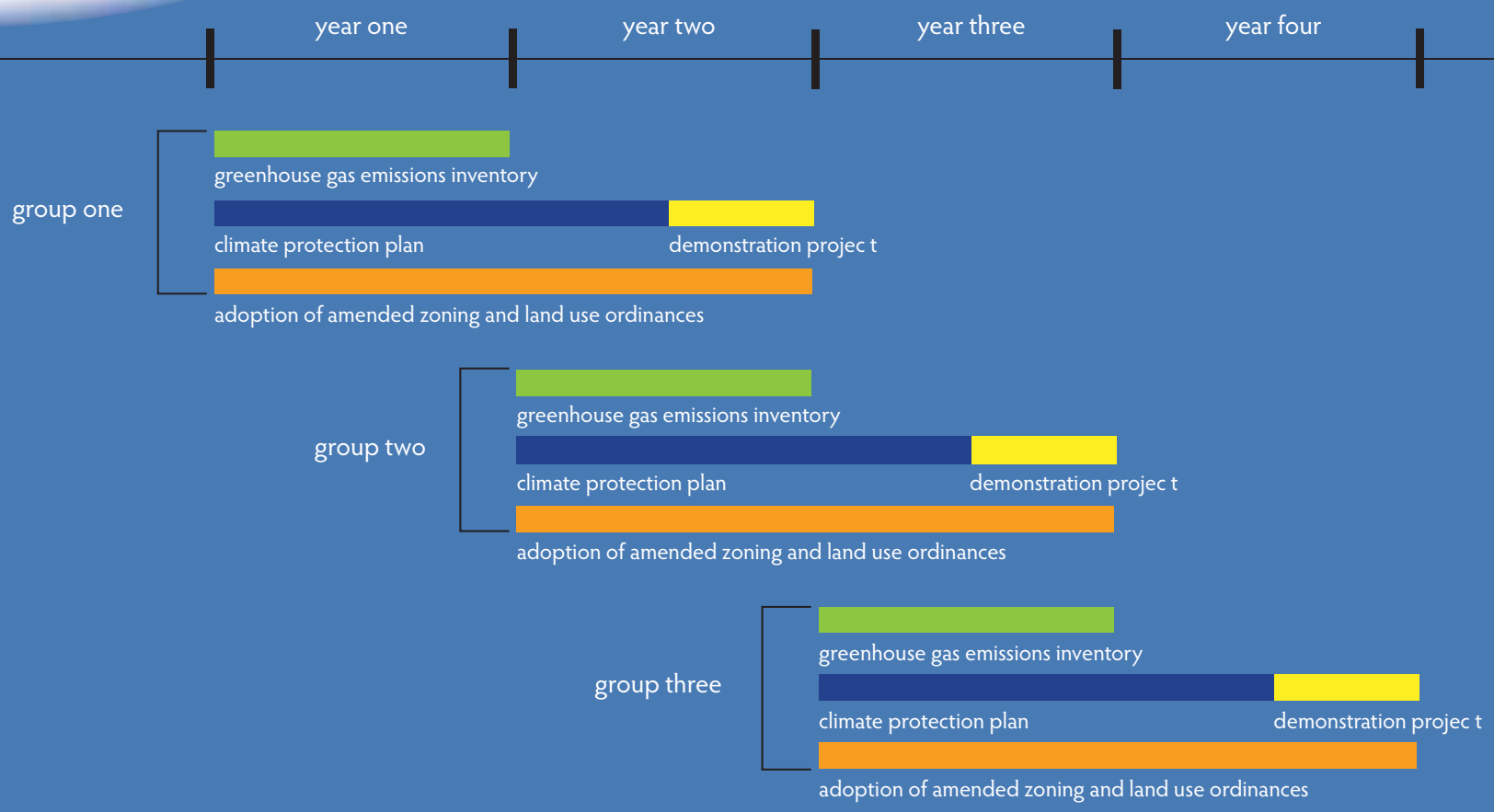


Climate Showcase Communities
Local Climate and Energy Program

US EPA ARCHIVE DOCUMENT

Central New York
climate change innovation program

Program Timeline (proposed)



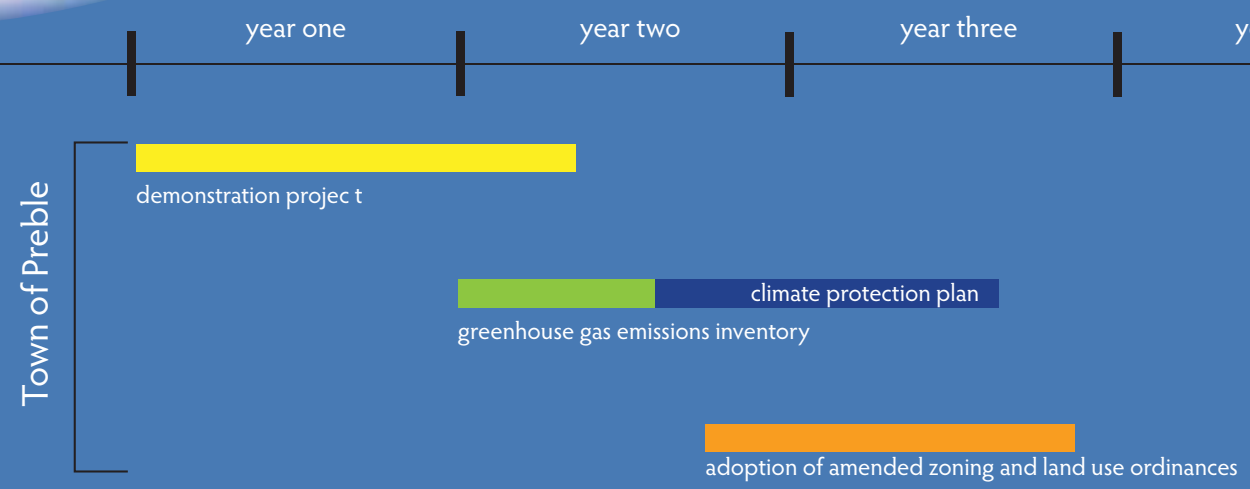
Central New York Regional Planning & Development Board

US EPA ARCHIVE DOCUMENT

Central New York
climate change innovation program

Program Timeline (actual)

Town of Preble



- **Began with demonstration project - longer project development timeframe than anticipated**
- **Emissions inventory will begin in 2012 - climate protection plan will follow**
- **Participation in project development has positive benefits**

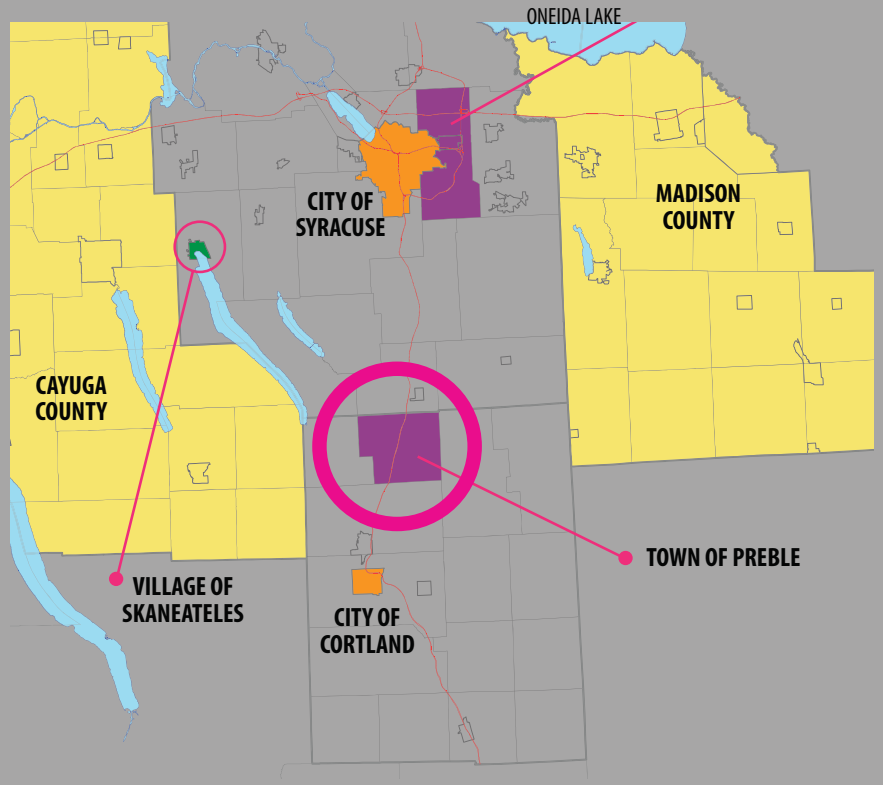
Central New York Regional Planning & Development Board

US EPA ARCHIVE DOCUMENT

Town of Preble (population: 1,582)

Cortland County

Central New York climate change innovation program



PROJECT DEVELOPMENT:

- NYSERDA Energy Audit
- National Grid Lighting Audit
- Blower Door Test
- NYSERDA Solar PV Assessment

US EPA ARCHIVE DOCUMENT

Town of Preble (population: 1,582)

Cortland County

Central New York climate change innovation program

PROJECT DEVELOPMENT:

- NYSERDA Energy Audit
- National Grid Lighting Audit
- Blower Door Test
- NYSERDA Solar PV Assessment

Town Hall – Energy Upgrade Project Summary

	Measure	Cost
	HVAC/ Building Envelope	$66,600.00
	Lighting	$1,849.96
	Solar PV- 9kW	$40,430.00
	Total	**$108,879.96**

Option 2: With State Senate Funding

Funding	Measure	Incentive
CIP	HVAC/ Building Envelope	$30,000.00
National Grid	Lighting	$934.01
NYSERDA	HVAC	$843.75
State Senate Funding		$25,000.00
NYSERDA	Solar PV	$12,250
Total		**$69,027.76**

Total Project Costs	$108,879.96
Incentives	$69,027.76
Costs After Incentives	**$39,852.20**

Solar Displacement (kW)	11,246	$1,912
Annual Savings	**$11,736.87**	
Simple Payback Calculation	**3.40**	

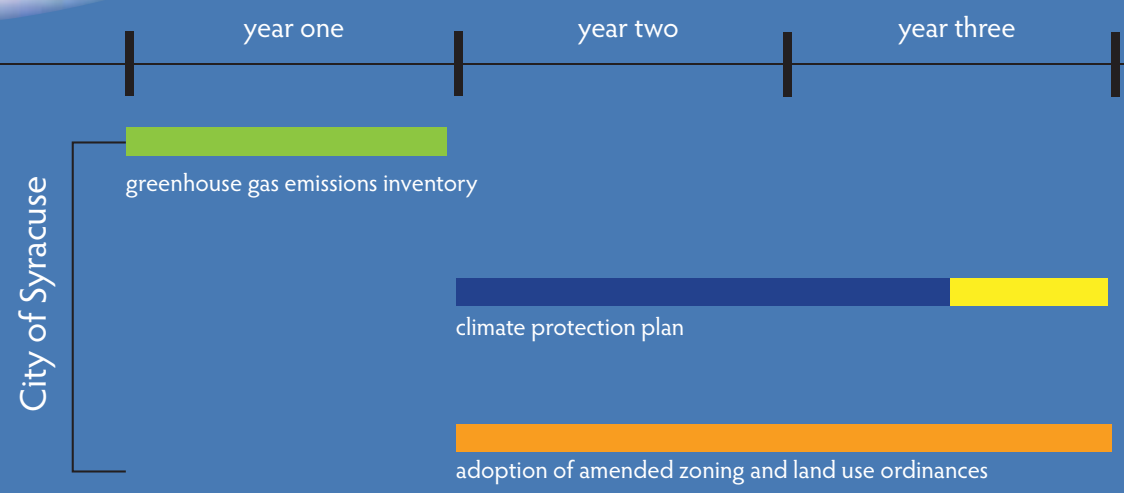
Town will realize a payback of just over 3 years and achieve an emissions reduction of 22.38 Tons of CO_2e - fossil fuel free.

US EPA ARCHIVE DOCUMENT

Central New York
climate change innovation program

Program Timeline (actual)

City of Syracuse



- Began with ghg emissions inventory - developed a team of city staff, student intern, and college class
- Climate Protection Plan will begin in 2012 - City is currently assembling an advisory committee
- City is simultaneously conducting energy audits for its police, fire, and dpw facilities

Central New York Regional Planning & Development Board

US EPA ARCHIVE DOCUMENT

Observations

+ Climate action is a process that takes time and will be influenced by local politics and changing values.
  - COMMITMENT FROM THE TOP
  - ASSIGNMENT OF LOCAL PROJECT MANAGER
  - COHORT OF PARTICIPANTS

+ Message is critical - especially within smaller rural communities.
  - FOCUS ON CO-BENEFITS
  - ENERGY VS. CLIMATE
  - PROJECTS VS. PLANS

+ Regional academic institutions can play a key role in providing additional resources to assist with the local inventory process.
  - WORK WITHIN ACADEMIC CALENDAR
  - STUDENTS ARE HERE AND GONE
  - DIFFERENCES IN PHILOSOPHY AND APPROACH

Observations

+ Climate action is a process that takes time and will be influenced by local politics and changing values.
  - COMMITMENT FROM THE TOP
  - ASSIGNMENT OF LOCAL PROJECT MANAGER
  - COHORT OF PARTICIPANTS

+ Message is critical - especially within smaller rural communities.
  - FOCUS ON CO-BENEFITS
  - ENERGY VS. CLIMATE
  - PROJECTS VS. PLANS

+ Regional academic institutions can play a key role in providing additional resources to assist with the local inventory process.
  - WORK WITHIN ACADEMIC CALENDAR
  - STUDENTS ARE HERE AND GONE
  - DIFFERENCES IN PHILOSOPHY AND APPROACH

Observations

+ Climate action is a process that takes time and will be influenced by local politics and changing values.
  - COMMITMENT FROM THE TOP
  - ASSIGNMENT OF LOCAL PROJECT MANAGER
  - COHORT OF PARTICIPANTS

+ Message is critical - especially within smaller rural communities.
  - FOCUS ON CO-BENEFITS
  - ENERGY VS. CLIMATE
  - PROJECTS VS. PLANS

+ Regional academic institutions can play a key role in providing additional resources to assist with the local inventory process.
  - WORK WITHIN ACADEMIC CALENDAR
  - STUDENTS ARE HERE AND GONE
  - DIFFERENCES IN PHILOSOPHY AND APPROACH

US EPA ARCHIVE DOCUMENT

Chris Carrick

Energy Program Manager
NYSERDA E$C Coordinator
ccarrick@cnyrpdb.org
315-422-8276 ext. 213

Sam Gordon

Senior Planner
NYSERDA E$C Coordinator
sgordon@cnyrpdb.org
315-422-8276 ext. 204

www.cnyenergychallenge.org
www.cnyrpdb.org

thank you

Central New York climate change

Climate Showcase Communities
Local Climate and Energy Program

Central New York Regional Planning & Development Board

An Independent Contractor to:
nyserda
Energy. Innovation. Solutions.