

Dobbs Ferry: *The Benefits of Climate Smart Communities Certification*



NINA ORVILLE
CHAIR, DOBBS FERRY ENERGY TASK FORCE
PRINCIPAL, ABUNDANT EFFICIENCY



JUNE 4 , 2016

Dobbs Ferry



Dobbs Ferry Energy Task Force



Created in 2008 – members with diverse interests. Prioritize projects with savings or other community benefits. Collaborate with staff, elected officials.

Mission: Recognizing the delicate balance of our natural resources and assets, the mission of the Dobbs Ferry Energy Task Force is to help Village government, residents, businesses and institutions become more sustainable by saving energy, using resources and renewable energy more effectively, and taking steps to become better stewards of the environment.

The Energy Task Force promotes:

- Efficient use of energy and other resources;
- Waste reduction and recycling;
- Walking, cycling, and use of mass transit; and
- Appropriate land use.

The Energy Task Force seeks to engage the entire community in this mission.





2009 – CSC Pledge

Village adopts CSC
Pledge with GHG
reduction goal of
20% by 2015

DOBBS FERRY CLIMATE SMART COMMUNITY RESOLUTION

The following is a synopsis of a Resolution adopted by the Dobbs Ferry Village Board 7/14/2009.

1. Pledge to Combat Climate Change by Becoming a Climate Smart Community

Set goals to reduce green house gas (GHG) emissions and adapt to predicted climatic changes.

- Continue Task Force to review issues & propose actions
- Designate point person to oversee initiatives.
- Maintain membership in ICLEI Local Governments for Sustainability - Climate Protection Campaign.

2. Set Goals, Inventory Emissions, Move to Action

Gather data about local GHG emission sources.

- Establish baselines for government and community.
- Develop quantifiable interim GHG emission targets.
- Propose schedule and financing strategy to meet goals.
- Develop Action Plan.
- Report emissions data to the Climate Registry.

3. Decrease Energy Demand for Local Government Operations

Adopt goal of reducing electricity use and GHG by 20% from projected levels by 2015.

- Include new and existing public facilities, community infrastructure, vehicle fleet and community.

4. Encourage Renewable Energy for Local Government Operations

Supply as much of the local government's power, heat, and hot water as possible from renewable sources of direct generation.

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

Expand "Reduce, Reuse, Recycle."

- Reduce amount of solid waste generated.
- Promote reuse and improve access to recycling.
- Adopt a green purchasing program.

6. Promote Climate Protection Through Community Land Use Planning

Encourage low-emissions development that is resilient to climatic changes.

- Continue to update land use policies, building codes, and community plans to include the most current provisions to combat climate change, reduce sprawl, and preserve and protect open space, biodiversity and water supplies.
- Encourage tree planting and protect forest areas.

7. Plan for Adaptation to Unavoidable Climate Change

Evaluate risks, set goals, and plan for adaptation.

- Identify climate change community impacts.
- Identify potential risk areas, like water supply, parking and recreation, and sewer infrastructure.
- Factor risks into long-term investments and decision-making.
- Execute climate change adaptation and preparedness measures, giving priority to the highest risk areas.

8. Support a Green Innovation Economy Incorporate climate protection, sustainability, and environmental goods and service industries into economic development plans.

- Encourage workforce development training and school curricula that support green collar jobs.
- Procure climate smart goods & services for Village operations and support modernizing of local and national electricity grids.

9. Inform and Inspire the Public

Lead by example.

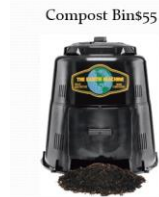
- Highlight local government commitments to reduce energy use, save tax dollars, and adapt to changing conditions.
- Communicate regularly with community about climate protection goals and progress.
- Create a web page resource to help community members find the best ways to "reduce, reuse, recycle" and comply with the programs implemented and maintained by the Village, as well as encourage involvement and advocacy.

10. Commit to an Evolving Process

Acknowledge that research and policy on climate protection are constantly improving and evolving.

- Be willing to consider new ideas and update plans and policies.
- Compare successes, cooperate and collaborate with neighboring communities.

Sustainability Actions



Compost Bin\$55

Green Home Makeover at Wholesale Price!



UtilityTrac Plus
 THE VILLAGE OF Dobbs Ferry
 Johnson Controls

Home Support Preferences Admin About

Buildings & Meters Actual Data Calendarized Data Normalized Data Organization Properties

Energy Projects

Building	Project Name	Cost	Compl Date	Cost Savi...	Energy Savi...	Energy...	Start Date	Project Type	Funding So...	Project M...	Rebat
Community Ce...	LED Lighting	\$11,626	02/28/2012	\$2,622	18,730	kWh	02/01/2012	LED Lighting	Village of Dobb...	Jim	
Library [LIBRA...	Solar PV - Library	\$86,839	02/29/2012	\$2,850	20,336	kWh	10/01/2011	Solar PV	NYSERDA, with...	Nina	
Library [LIBRA...	HVAC Controls	\$82,500	02/29/2012	\$10,000	0	kWh	04/01/2011	Controls, HVAC	Village of Dobb...	Jim Du	
Dpw Garage [D...	Solar PV - DPW	\$186,783	02/29/2012	\$7,702	55,015	kWh	10/01/2011	Solar PV	NYSERDA and ...	Jim Du	
Ogden Firehou...	Boiler Replacement	\$12,400	04/30/2012				04/01/2012	Boiler Repla	Village of Dobb...	Jim	
Library [LIBRA...	Lighting Controls	\$28,349	08/17/2012	\$2,567	19,161	kWh	08/01/2012	Controls - Light	NYSERDA (reb...	Jim Du	
Street Lights [S...	LED Street Lights - Pha...	\$52,200	09/14/2012	\$16,911	93,951	kWh	12/01/2011	LED Lighting	Village of Dobb...	Jim	
Dpw Garage [D...	LEDs - Garage Shop	\$3,012	10/31/2012	\$230	1,206	kWh	10/01/2012	LED Lighting	Village of Dobb...	Jim	
Village Hall [VIL...	LEDs - Police Dept.							LED Lighting	Village of Dobb...	Jim	
Street Lights [S...	LED Street Lights - Pha...	\$52,200		\$16,911	93,951	kWh	09/17/2012	LED Lighting	Village of Dobb...	Jim	



Dobbs Ferry Public Library
 55 Main Street Dobbs Ferry, NY 10522
 914-693-6614

Community Outreach



DOBBS FERRY P.T.S.A. **DOBBS FERRY ENERGY TASK FORCE**
HOME ENERGY EXPO

LEARN HOW TO REDUCE ENERGY BILLS (WHILE IMPROVING COMFORT)


MANY PEOPLE CAN CUT THEIR BILLS BY 30% OR MORE!

Thursday, February 10th
 • 7pm Expo and Conversation • 7:30pm Program Begins
 Springhurst Cafeteria (175 Walgrove Ave., Dobbs Ferry)

JOIN WITH THE DOBBS FERRY GOVERNMENT AND SCHOOLS TO REDUCE ENERGY WASTE

SPRINGHURST ECOLOGY CLUB MIDDLE SCHOOL ECOLOGY CLUB HIGH SCHOOL GREEN CLUB

If there is a school snow day, this program will be rescheduled.



DOBBS FERRY CLIMATE LEADERSHIP SUMMIT

BUILDING A SUSTAINABLE COMMUNITY, TOGETHER
 APRIL 7, 2010

LOCAL BUSINESS FORUM:
HOW TO CUT ENERGY COSTS

"Attention business owners and managers"

Are your utility bills too high?
 Would you like to reduce your operating expenses?
 Do you want to improve cash flow while greening your business?

Excellent incentives are available for a limited time through New York State Energy Research and Development Authority (NYSERDA) and Con Ed that provide:

- Free energy assessments or low cost energy audits to identify opportunities to save on energy costs
- Up to 70% incentives for energy efficient lighting, select equipment and space cooling
- Cash rebates for new high-efficiency restaurant equipment
- Reduced costs for solar system installation.

Come hear from representatives of Con Ed, NYSERDA, and local business owners who have taken advantage of these opportunities

~ Wednesday, August 11th at 3:00 ~
 Dobbs Ferry Public Library, 55 Main Street, Dobbs Ferry

Sponsored by: Dobbs Ferry Energy Task Force, Dobbs Ferry Downtown Improvement Committee, Greenburgh Climate Action Task Force, Hastings Chamber of Commerce, Hastings Conservation Commission, Irvington Chamber of Commerce, Irvington Green Policy Task Force, Irvington Business Improvement Committee, Sleepy Hollow Chamber of Commerce, Tarrytown Environmental Advisory Council, Westchester Green Business Challenge

Refreshments courtesy of The Riviera Bake House

For further information contact Holly Malkein at 693-6133 or hmalkein@aol.com

Sustainable Dobbs
 Practical Solutions with a Global Perspective
 May 10th 2014, 1pm-4:30pm
 Dobbs Ferry Middle School / High School Dining Commons

Join us to celebrate Dobbs Ferry's environmental leadership!

Did you know that our Village has reduced greenhouse gas emissions from municipal buildings and streetlights by 45% and is on track to save over \$1 million over the next ten years? Find out what you can do to bring those savings to your home and business. Get involved and help our Village chart new goals in energy and waste reduction, safer walking, biking, transit and more.

1pm Expo
 Solar installers, energy efficiency and garden experts, compost bin via Delicious snacks from local restaurant

2pm Village and Global Matters:
 • Mayor Harley Corbett
 • David Simoli, President and CEO, The National Audubon Society
 • Nara Dhar and members of the Dobbs Ferry Energy Task Force

2:45 Eagle Awards for Environmental Leadership

3pm Expo and Breakouts
 Breakroom with neighbors and opinion leaders about energy, gardens, hiking, biking, transit, waste reduction, our local economy, and climate resilience.

4:15 Wrap Up

Register at sustainabledobbs.eventbrite.com





In search of efficiency (and sometimes, scale).... Regional Collaboration.

In Westchester,
NWEAC + SWEAC =
Sustainable
Westchester.



Above: SWEAC
Sustainability Forum
January 2012

Left: LED Streetlight Forum

Something **brilliant**
will save your municipality money.

> Learn strategies for implementing LED street lights from your neighbors who are already doing it.

Find out more and register at:
streetlights.eventbrite.com

LUMEN LIGHT SOLUTIONS NWEAC LAND USE LAW CENTER abundant efficiency SWEAC

CSC Resources and Certification Pilot

CSC allows easier sharing of best practices, provides effective roadmap, positions for grant funding, consolidates environmental leadership.

Climate Smart Communities Profile

June 2013

Program Overview

The Climate Smart Communities (CSC) program is a New York State initiative to help local communities reduce greenhouse gas (GHG) emissions, prepare for effects of climate change and save taxpayers money. The program is designed to address 10 focus areas, or "pledge elements," outlined in the CSC Pledge: <http://www.dec.ny.gov/energy/53013.html>.

New York State is offering technical support to communities that have adopted the CSC Pledge. This profile provides a stepping stone for identifying a technical support service package to help the Village of Dobbs Ferry progress through the 10 pledge elements (see below).

Detailed information on actions completed, in progress, and identified for future action is provided in the tables on the following pages. If a table is missing for a particular pledge element, it means that the CSC program does not have a record of actions taken to address that element.

Climate Smart Communities Pledge Elements:

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 Tools
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

Page 1



Village of Dobbs Ferry

Local Government Facts:

Adopted Climate Smart Communities (CSC) Pledge: 2009
CSC Pledge Elements Addressed: 10 out of 10
Total Actions Completed: 42
Government Type: Village
County: Westchester County
Region: Lower Hudson Valley
Population: 10,875

Climate Smart Communities Certification Program

Guidance Manual



INTRODUCTION

The New York State Climate Smart Communities Certification program represents the next phase in the development of New York's Climate Smart Communities (CSC) program. The CSC program was first established in 2008 to provide local governments with guidance on how to reduce greenhouse gas emissions, save taxpayer dollars, and advance community goals for health and safety, economic vitality, energy independence, and quality of life. The first step in participating in the Climate Smart Communities program is to adopt the Climate Smart Communities Pledge, to initiate a community's commitment to greenhouse gas (GHG) reduction and climate adaptation. The Climate Smart Communities program is jointly sponsored by six New York state agencies, including the Department of Environmental Conservation (DEC), the New York State Energy Research and Development Administration (NYSERDA), the Department of Transportation (DOT), the Department of Health (DOH), the Department of State, and the Public Service Commission.

The CSC Certification program was established in 2013 by DEC and NYSERDA, with funding from the DEC Hudson River Estuary Program, through the New York State Environmental Protection Fund, in cooperation with the New England Interstate Water Pollution Control Commission. The CSC Certification program was developed to further engage New York State local governments in the CSC program, to provide a more robust framework to guide local governments in their climate protection efforts, and to recognize their achievements as they make progress.

Program Goals, Objectives, and Principles

The CSC Certification program was developed with the primary goal of providing a more structured framework and guidance for local governments to advance their climate protection work through the existing CSC Pledge. This certification is based entirely on the existing CSC Pledge Elements. Participation in CSC and the CSC Certification program is voluntary. The CSC Certification program is designed to encourage ongoing implementation of climate protection related actions and to recognize achievements of local governments in every phase of the program.

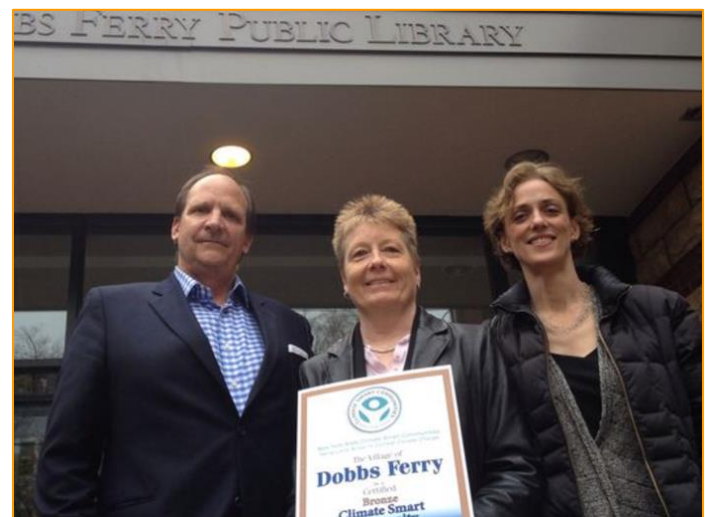
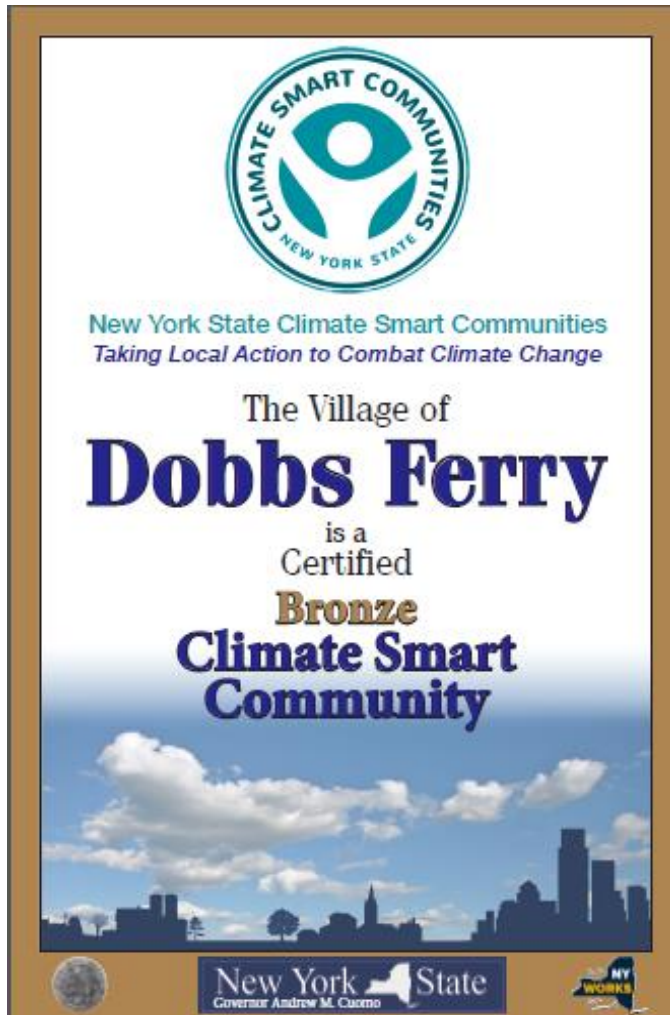


CSC Pilot: Dobbs Ferry

- 4 Months
- Liz Dreaper (Village Clerk, CSC Coordinator), me and two interns
- Focus on documenting existing actions (few new easy actions added)

Local Government Name: The Village of Dobbs Ferry								
Action #	Action Name	Possible Points	Anticipated Points	How points were earned (note achievement level for tiered scoring)	Documentation Submitted (list doc title and date)	Does Documentation Meet Requirements? (Yes/No)	If no, why not?	Points Earned
Pledge Element 1: Pledge to Combat Climate Change by Becoming a Climate		31	31					31
1.1	Pass a Resolution Adopting the CSC Pledge	4	4	Passed resolution on July 14, 2009	-Document Submittal Form -Board of Trustees (BOT) Resolution 3-2009 - Climate Smart Community Resolution	Yes		4
1.2	Create an External Taskforce Focused on Climate Mitigation and Adaptation	8	8	Taskforce created in 2008 to evaluate Mayors Climate Protection Agreement; Dobbs Ferry Energy Taskforce meets regularly	-Document Submittal Form -US Mayors Climate Smart Resolution and request for taskforce, 2008 -Dobbs Ferry Energy Taskforce meeting minutes from 3 mtgs	Yes		8
1.3	Appoint a Climate Smart Community Coordinator	8	8	Elizabeth Draper appointed CSC Coordinator, 7/9/2013	-Document Submittal Form -Board of Trustees meeting minutes 7/9/2013 appointing CSC Coordinator	Yes		8
1.4	Create an Internal Green Team focused on Climate Mitigation and Adaptation	8	8	-Hired Green Team Spirit in 2011 to help form a Green Team -Green team discussions are integrated into Dept Head meetings	-Document Submittal Form -Green Team Meeting 6/20/11 -Green Team Spirit Press Release, 3/3/2011 -Clarification Email from Nina Orville, 11/6	Yes/No	The documentation submitted does not meet the requirements. Nina noted in an email dated 11/6 that green team meetings are integrated into dept head mtgs. Liz will provide mtg minutes	8
1.5	Join a National or Regional Campaign or Program	3	3	Members of SWEAC	-Document Submittal Form -SWEAC Program Final	Yes		3
Pledge Element 2: Set Goals, Inventory Emissions, Move to Action		40	24					24
Establish a Baseline		16	16					16
2.1	Develop a Government Operations GHG Emissions Inventory	8	8	2009 GHG Inventory for baseline year	-Document Submittal Form -2009 Municipal GHG	Yes		8

Strengthens Identify as Sustainability Leader



Grant Funding and Preparedness



NEW YORK
STATE OF
DEPARTMENT OF
Environmental
Conservation

CLIMATE RESILIENCE

in the Hudson
River Estuary



Governor Cuomo announces \$11 million in brand new Climate Smart Communities grants focused on climate change mitigation and adaptation

Funding & Eligibility

- \$11 million for two major project categories:
 - \$10.5 million for *Climate Protection Implementation Projects*
 - \$500,000 for *Climate Smart Communities Certification Projects*
- **Municipalities** are eligible (Counties, Cities, Towns, Villages)
- Other partners may participate as part of a partnership project with a designated, eligible lead applicant.
- *Submit letters of partnership and/or partnership*



10 High-Impact Actions

1. Benchmarking
2. Clean Energy Upgrades
3. LED Street Lights
4. Clean Fleets
5. Solarize
6. Unified Solar Permit
7. Energy Code Enforcement Training
8. Climate Smart Communities Certification
9. Community Choice Aggregation
10. Energize NY Finance



5

Thank You!



NINA ORVILLE

Nina@AbundantEfficiency.com

914-693-6222



Dobbs Ferry is a Certified Climate Smart Community



New York State Climate Smart Communities
Taking Local Action to Combat Climate Change

The City of
Kingston
Certified
Bronze
Climate Smart
Community

New York State

New York State Climate Smart Communities
Taking Local Action to Combat Climate Change

The City of
Albany
Certified
Climate Smart
Community

New York State

New York State Climate Smart Communities
Taking Local Action to Combat Climate Change

The Village of
Dobbs Ferry
Certified
Bronze
Climate Smart
Community

New York State

New York State Climate Smart Communities
Taking Local Action to Combat Climate Change

The Town of
Cortlandt
Certified
Climate Smart
Community

New York State

New York State Climate Smart Communities
Taking Local Action to Combat Climate Change

The City of
Watervliet
Certified
Climate Smart
Community

New York State

New York State Climate Smart Communities
Taking Local Action to Combat Climate Change

Orange County
Certified
Climate Smart
Community

New York State

