



Department of  
Environmental  
Conservation



Climate Smart  
Communities

# Municipal Building Code Support Services

*This webinar will begin shortly*

June 11, 2015

# Welcome!

**Today's topic:** Municipal Building Code Support Services

**Questions for us?** Use WebEx chat function

**Contact Emails:** Dazzle Ekblad  
[dazzle.ekblad@dec.ny.gov](mailto:dazzle.ekblad@dec.ny.gov)

Mark Lowery  
[mark.lowery@dec.ny.gov](mailto:mark.lowery@dec.ny.gov)



**Climate Smart  
Communities**



**Department of  
Environmental  
Conservation**

# Agenda

**Introduction** - *Dazzle Ekblad, Climate Policy Analyst, NYSDEC*

**Announcements** - *Mark Lowery, Climate Policy Analyst, NYSDEC*

**Funding for Emissions Reduction and Resiliency** - *Dazzle Ekblad*

**NYSERDA's Energy Code Initiatives: Overview**

*Marilyn Kaplan & Christopher Sgroi, Project Managers, NYSERDA*

**Support for Energy Code Enforcement**

*James Burton, Compliance Services Manager, T.Y. Lin International*

*Scott Copp, Senior Project Manager, T.Y. Lin International*

**Q &A** - *Mark Lowery*



**Climate Smart  
Communities**



**Department of  
Environmental  
Conservation**

## Upcoming Events

- June 11, 1:30-3:00, Electric vehicle market development partnership opportunities webinar, <https://nyserda-events.webex.com/nyserda-events/onstage/g.php?MTID=e5a95f8f17a76ef2dc81c754304ded922>.
- June 23, 8:30-10:30, Long Island Community Rating System Users Group. Farmingdale/webinar. Contact Sarah Oral, [soral@cameronengineering.com](mailto:soral@cameronengineering.com), 516-224-5237
- June 23-25, Sea-level rise projection meetings. See <http://www.dec.ny.gov/energy/100236.html> .
- July 9, 12:15-3:30, Capital Region Climate Smart Communities Workshop. Albany. Contact Todd Fabozzi: [todd@cdrpc.org](mailto:todd@cdrpc.org), 518-453-0850.



**Department of  
Environmental  
Conservation**

# **Funding Opportunities**

## **Climate-related Grants under the 2015 Consolidated Funding Application**

**June 11, 2015**

**Dazzle Ekblad, Climate Policy Analyst**

**NYS DEC Office of Climate Change**

# Funding Opportunities

- 1) **Local Waterfront Revitalization Program**
  - Dept. of State (DOS)
- 2) **Water Quality Improvement Project**
  - Dept. of Environmental Conservation (DEC)
- 3) **Cleaner, Greener Communities**
  - NYS Energy Research and Development Authority (NYSERDA)

All part of the NYS **Consolidated Funding Application (CFA)**

- CFA workshops across the State:

<http://regionalcouncils.ny.gov/genericcfa/2015-cfa-workshops>

Capital Region	6/26/2015	10:00am - 12:30pm	Lake George	Fort William Henry Lodge Motel	June 26 <sup>th</sup> Lake George RSVP
	6/30/2015	10:00am - 12:30pm	Hudson	Columbia Greene Community College	June 30 <sup>th</sup> Hudson RSVP



# Program-Specific Pre-Recorded Webinars

Available at: <http://regionalcouncils.ny.gov/genericcfa/2015-cfa-materials>

## Community Development

- Community Development, Waterfront Revitalization
  - Homes & Community Renewal
    - New York Main Street Program | New York Main Street Program CFA Webinar
    - CDBG Economic Development and Small Business Programs | CDBG Economic Development and Small Business Programs CFA Webinar
    - CDBG Competitive Programs | Public Facilities Construction Program CFA Webinar
  - Council on the Arts
    - New Initiatives - Planning | New Initiatives - Planning Webinar
    - New Initiatives - Implementation | New Initiatives - Implementation Webinar
    - Workforce Investment Program | Workforce Investment Program CFA Webinar
  - Department of State
    - Local Waterfront Revitalization Program | Local Waterfront Revitalization Program CFA Webinar
    - Local Government Efficiency | Local Government Efficiency CFA Webinar

## Energy and Environment

- Energy Improvements, Environmental Improvements, and Sustainability Planning and Implementation
  - NYS Energy Research & Development Authority
    - Cleaner Greener Communities Program | Cleaner Greener Communities Program Webinar
    - Commercial New Construction Program | Commercial New Construction Program Webinar
    - Industrial and Process Efficiency Program CFA Webinar
    - Existing Facilities Program CFA Webinar
    - Flex Tech Program CFA Webinar
    - Small Commercial Energy Assessments CFA Webinar
  - Environmental Facilities Corporation
    - Green Innovation Grant Program | Green Innovation Grant Program CFA Webinar
  - NY Power Authority
    - ReCharge NY | ReCharge NY CFA Webinar
  - Department of Environmental Conservation
    - Water Quality Improvement Project Program | Water Quality Improvement Project Program Webinar
    - DEC/EFC Wastewater Infrastructure Engineering Planning Program | DEC/EFC Wastewater Infrastructure Engineering Planning Program Webinar



**Department of  
Environmental  
Conservation**

# DOS Local Waterfront Revitalization Program

- **Eligible entities:** Villages, towns, cities, and counties (with the consent and on behalf of one or more villages, towns, or cities) located along New York's coasts or designated inland waterways

(Waterways list: <http://www.dos.ny.gov/funding/rfa-15-lwrp-6/index.html>)

- **Total available:** \$17 million
- **Structure:** competitive grant program with reimbursement
  - **50% cost share** can include cash and volunteer services
  - **Due date:** July 31, 2015 by 4:00 p.m.



# DOS Local Waterfront Revitalization Program

## Eligible Activities (grant categories):

- 1) Preparing or Implementing a LWRP
- 2) Redeveloping Hamlets, Downtowns and Urban Waterfronts
- 3) Planning or Constructing Land and Water-based Trails
- 4) Preparing or Implementing a Lakewide or Watershed Revitalization Plan
- 5) Preparing or Implementing a Community Resilience Strategy or Updating an LWRP to Incorporate Resilience Strategy
- 6) Preparing or Implementing a Clean Transportation Strategy



# DOS Local Waterfront Revitalization Program

For more information:

<http://www.dos.ny.gov/funding/rfa-15-lwrp-6/index.html>

**Contact:** Kenneth Smith, Dept. of State, (518) 474-6000

[Kenneth.Smith@dos.ny.gov](mailto:Kenneth.Smith@dos.ny.gov)

**Guidebooks** on waterfront revitalization and watershed planning:

<http://www.dos.ny.gov/opd/publications.html>

**To apply** (by July 31<sup>st</sup>) or access related CFA materials:

<http://regionalcouncils.ny.gov>



# DEC Water Quality Improvement Projects

- **Eligible entities:** municipalities and municipal corporations
  - Soil and water conservation districts
  - Non-profit organizations (only for aquatic habitat restoration)
- **Total available:** \$35 million
- **Structure:** competitive grant program with reimbursement
  - **15% cost share** for wastewater treatment improvement
  - **25% cost share** for the three other types of projects
- **Due date:** July 31, 2015 by 4:00 p.m.



# DEC Water Quality Improvement Projects

Eligible activities/grant categories:

## 1) Wastewater treatment improvement projects

- Effluent disinfection & infrastructure upgrades (could include methane capture for energy)

## 2) Non-agricultural nonpoint source abatement and control

- E.g., green infrastructure, stormwater retrofits, stream stabilization/restoration



# DEC Water Quality Improvement Projects

Eligible activities/grant categories (cont.):

## 3) Aquatic habitat restoration

- E.g., upgrade road stream crossings, dam removal, stream daylighting

## 4) Municipal separate storm sewer systems (MS4)

- E.g., gap analysis on barriers to green infrastructure & revising local laws



# DEC Water Quality Improvement Projects

For more information:

<http://www.dec.ny.gov/pubs/4774.html>

**Contact:** Susan Van Patten or Jeremy Campbell

DEC Division of Water

(518) 402-8179

[WQIPuser@dec.ny.gov](mailto:WQIPuser@dec.ny.gov)

**To apply** (by July 31<sup>st</sup>) or access related CFA materials:

<http://regionalcouncils.ny.gov>



Department of  
Environmental  
Conservation

# NYSERDA Cleaner, Greener Communities Program

## Category 1: PV & EV Permitting (continuation of PON 2721)

- **Eligible entities:** Cities, towns, villages, or other entities with jurisdiction for permitting, land use planning, and zoning
- **Funds available:** ~\$1 million total
  - \$5,000 limit per applicant for population up to 30,000; \$10,000 if larger
- **Eligible activities:** adoption of streamlined permitting or other ordinances for photovoltaic (PV) systems and electric vehicle (EV) charging stations
- **Structure:** first-come, first-serve basis; open enrollment
- **Due date:** Sept. 30, 2019 by 4:00 p.m., or **until funds are exhausted**, or until the solicitation is revised



# NYSERDA Cleaner, Greener Communities Program

## Category 2: Flexible Funding Pilots

- **Eligible:** Cities, towns, villages, counties, Indian tribal gov'ts
- **Funds available:** Up to \$5 million total
  - \$25,000 to \$250,000 per project with **25% cost share**
- **Structure:** Competitive, rolling applications
  - Complete 4 of 6 required steps to become eligible to apply for funding to support for certain types of projects
- **Due date:** Sept. 30, 2019 by 4:00 p.m., or **until funds are exhausted**, or until the solicitation is revised



# NYSERDA Cleaner, Greener Communities Program

## Category 2 Required Steps (i.e., how you qualify for funding):

- 1) Implement a Green Building Strategy
- 2) Adopt the New York State Unified Solar Permit
- 3) Support Alternative Fuel Transportation Supply Infrastructure
- 4) Adopt a Vehicle Fleet Efficiency Policy
- 5) Develop a Gov't Operations GHG Emissions Inventory and Establish a Gov't Operations Emissions Reduction Target (w/in last 5 years)
- 6) Enable Property Assessed Clean Energy (PACE) Financing (Only if within the jurisdiction of the proposing local gov't)



# NYSERDA Cleaner, Greener Communities Program

## Eligible Activities - The 13 CGC Category 2 Project Types:

- 1) Community GHG inventory and GHG reduction target
- 2) Gov't operations and/or community climate action plan
- 3) Upgrades to water or wastewater treatment facilities and infrastructure
- 4) Right-size local gov't fleet
- 5) Replace traditional vehicles with advanced vehicles
- 6) Convert streetlights to LED
- 7) Convert traffic signals to LED



# NYSERDA Cleaner, Greener Communities Program

## Eligible Activities - The 13 CGC Category 2 Project Types (cont.):

- 8) Develop and adopt Comp. Plan with sustainability elements
- 9) Put smart growth principles into land-use policies and regulations
- 10) Implement strategies that support bicycling and walking
- 11) Implement strategies that increase public transit ridership and alternative transport modes
- 12) Incentives for green industry or business to locate in a community
- 13) Other innovative community-based project
  - Other actions from Climate Smart Certification



# NYSERDA Cleaner, Greener Communities Program

## Category 3: Community-Scale Sustainability Projects

- **Eligible entities:** local gov'ts and private companies
  - NGOs and others
- **Funds available:** Up to \$25 million total
  - \$500,000 to \$3 million per project
  - **25% cost share**
- **Structure:** Competitive w/ due-date applications
- **Due date:** July 31, 2015 by 4:00 p.m.



# NYSERDA Cleaner, Greener Communities Program

## Eligible Activities – Category 3:

- **Showcase or anchor construction** project that delivers one or more key elements of a defined **sustainable neighborhood development** effort
- Innovative projects or programs that facilitate, develop, or expand a **private sector business model targeting delivery of community-based clean energy services or sustainability projects**



# NYSERDA Cleaner, Greener Communities Program

## Category 3: Preferred Project Types:

- 1) Electric Vehicle Market Development
- 2) Low-to-Moderate Income Innovative Solutions
- 3) K-12 Schools Program
- 4) Communities Local Support Framework
  - Outreach & technical assistance w/ clean energy
  - Assist with Climate Smart Certification



# NYSERDA Cleaner, Greener Communities Program

For more information:

<http://www.nyserda.ny.gov/All-Programs/Programs/Cleaner-Greener-Communities/Guidance-Documents>

Contact: [cgc@nyserda.ny.gov](mailto:cgc@nyserda.ny.gov)

To apply or access related CFA materials:

<http://regionalcouncils.ny.gov>



# Thank You (& Good Luck!)

- Dazzle Ekblad
- Climate Policy Analyst
- Office of Climate Change
- 625 Broadway, Albany NY
- [Dazzle.Ekblad@dec.ny.gov](mailto:Dazzle.Ekblad@dec.ny.gov)
- 518-402-8448

## Connect with us:

Facebook: [www.facebook.com/NYSDEC](http://www.facebook.com/NYSDEC)

Twitter: [twitter.com/NYSDEC](https://twitter.com/NYSDEC)

Flickr: [www.flickr.com/photos/nysdec](http://www.flickr.com/photos/nysdec)



Department of  
Environmental  
Conservation

# Climate Smart Communities Webinar

*Thanks for joining us!*

**Website:** <http://www.dec.ny.gov/energy/50845.html>

**Contact Emails:** Mark Lowery  
[mark.lowery@dec.ny.gov](mailto:mark.lowery@dec.ny.gov)

Dazzle Ekblad  
[dazzle.ekblad@dec.ny.gov](mailto:dazzle.ekblad@dec.ny.gov)

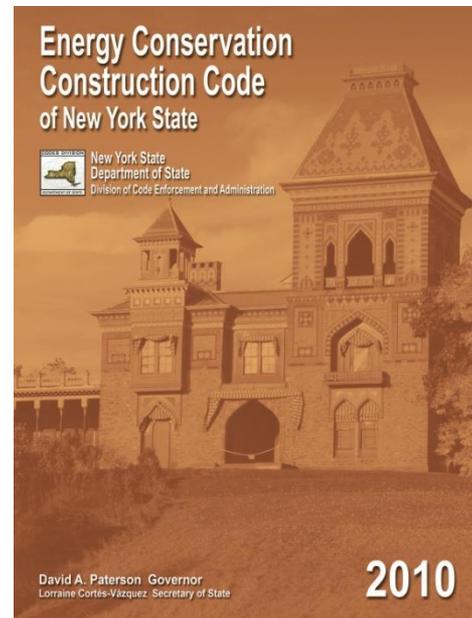
# **NYSERDA Energy Code Initiatives**

**Strategies for 2016-2018**

# State Energy Code: Current and Future

## Residential Buildings (1-3 Stories)

- Energy Conservation Construction Code of New York State – 2010 (ECCCNYS-2010)
  - Based on 2009 International Energy Conservation Code (IECC-2009)
  - Effective since January 1, 2010
- Don't toss your old books!



Department of  
Environmental  
Conservation

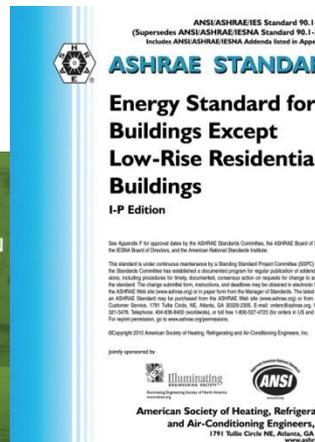
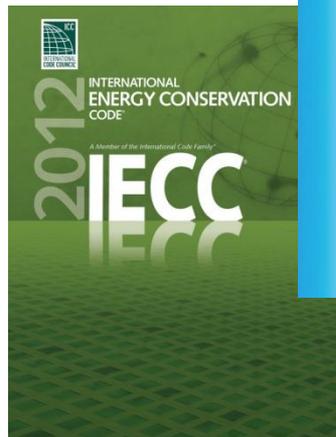
# State Energy Code: Current and Future

## Commercial Buildings (4+ Stories)

Effective January 1, 2015:

1. IECC-2012
2. ASHRAE 90.1-2010
3. 2014 NYS Supplement

(Lots to keep track of)



Department of  
Environmental  
Conservation

# State Energy Code: Current and Future

## What to Expect in (early?) 2016

- Uniform Codes and Energy Code updated to the 2015 International Codes
- New Supplement to the Energy Code issued by NYS Department of State (minimal deviation from the IECC)
- Significant changes likely, especially for residential building requirements



# State Energy Code: Current and Future

## Energy Codes Long-term Future

- Compliance more difficult
  - Tighter, higher insulated, lower energy buildings
  - More renewables
  - Building performance testing and verification
- ZNE by 2028/2030
  - 5 code cycles including 2016



# Value of Energy Code Compliance

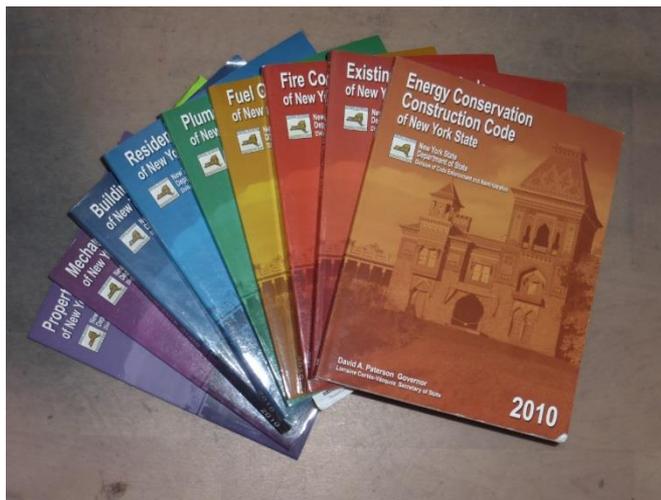
## Why is the Energy Code a growing priority in NYS?

- Important vehicle for achieving GHG and energy use reduction goals
  - (Nearly) all buildings are governed by the Energy Code
- Greater building occupant comfort
- Lower operating costs (owners/tenants)
- Resiliency (power outages)

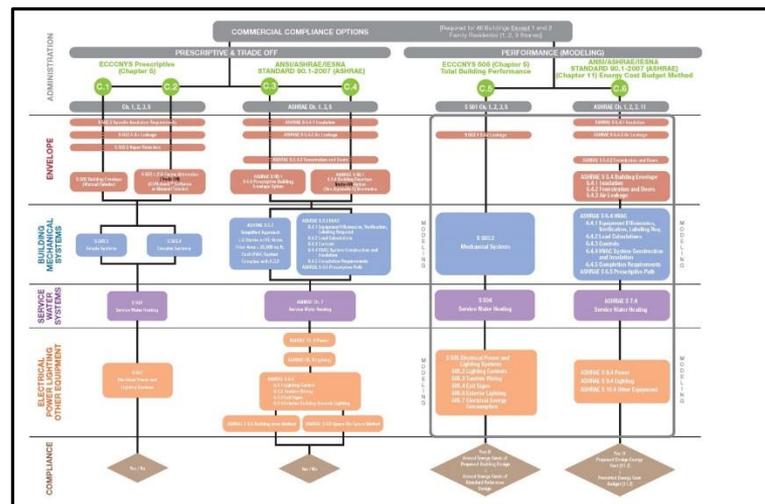


# Challenges/Barriers to Compliance

1 of 9 codes



Difficult to use and understand



# Challenges/Barriers to Compliance

- Wide range in staffing and funding at municipal code enforcement offices
  - Part-time, serving multiple communities
  - Lacking resources (time for review, inspection, knowledge), not interest
  - Codes/code elements related to life/safety are priority #1
- Not uniformly supported by municipal leadership
  - Pressure to issue permits quickly
  - CEOs not supported/compensated for training and other professional development
- Reliance on RES*check* and COM*check* reports
- Inconsistent enforcement across municipalities challenging for builders and designers
- Inconsistent plan/construction quality
- No repercussions for poor performance



# NYSERDA Compliance Strategies

## 1. Training and Tools

- Classroom training: Hundreds of classroom sessions through 2017, generally designed for the 2016 code update (IECC-2015)
  - Code enforcement officials (free)
  - Design professionals
  - Energy professionals
  - Construction trades (generally free)
- State Conference (late 2016, tentative)
- Online Training/Support Website
  - Existing/new online training (free)
  - Planned website improvements
- Publications
  - Code enforcement resources
  - Compliance manual for design professionals
  - Code/Commentary for the 2016 code update



The screenshot shows the NYSEDA Energy Code Training Website. The header includes the New York State logo, "State Agencies", and a search bar. Below the header is a navigation menu with options: "ONLINE TRAINING", "IN PERSON TRAINING", "PLAN REVIEW", "MY ACCOUNT", and "RESOURCE LIBRARY". The main content area features a "Welcome to the NYSEDA Energy Code Training Website" message, a "Latest News" section, and a "In Person Training" section. The footer contains links for "Technical Questions", "Account Setup", and "Energy Code".

# NYSERDA Compliance Strategies

## 2. Direct Support to Municipalities

- Free plan review and on-site inspection support; general resource for code application and enforcement
- Intended to educate and support municipal code enforcement offices and those engaged in the design/construction process
- Highly accommodative process
- Building on past success



# NYSERDA Compliance Strategies

## 3. Compliance and Advancement

- Continued compliance assessment activity
- Future Advancement
  - 3<sup>rd</sup> party services / Energy Code consultants
  - Data quality, retention and sharing
  - NYStretch
- Planned Gap Analysis (what works, what can improve, 3<sup>rd</sup> party potential)



# How Municipalities Can Contribute

- Take advantage of NYSERDA's Energy Code services
- Take part in our studies, share information (it really helps)
- Support your CEO and his/her professional development
- Send us your ideas



# Links and Contacts

## NYSERDA Resources and Contacts

NYSERDA's Energy Code & Support Website

[www.nyserdacodetraining.com](http://www.nyserdacodetraining.com)

Marilyn Kaplan (Project Manager)

[marilyn.kaplan@nyserda.ny.gov](mailto:marilyn.kaplan@nyserda.ny.gov)

518-862-1090 x3298

Chris Sgroi (Assistant Project Manager)

[christopher.sgroi@nyserda.ny.gov](mailto:christopher.sgroi@nyserda.ny.gov)

518-862-1090 x3373

## Direct Support to Municipalities

### **TY Lin International**

James R. Burton

Associate Vice President

Manager | Compliance Services

255 East Avenue

Rochester, NY 14604

585.512.2000 x2035 direct

[james.burton@tylin.com](mailto:james.burton@tylin.com)

## Classroom Training for Code Officials and Trades

### **Newport Ventures**

Margo Thompson



**Department of  
Environmental  
Conservation**