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

Mark Lowery
mark.lowery@dec.ny.gov
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
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, 516-224-5237
- July 9, 12:15-3:30, Capital Region Climate Smart Communities Workshop. Albany. Contact Todd Fabozzi: todd@cdrpc.org, 518-453-0850.
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:

<table>
<thead>
<tr>
<th>Capital Region</th>
<th>Date</th>
<th>Time</th>
<th>Location</th>
<th>RSVP</th>
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<tr>
<td>Capital Region</td>
<td>6/26/2015</td>
<td>10:00am - 12:30pm</td>
<td>Lake George</td>
<td>Fort William Henry Lodge Motel</td>
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<tr>
<td>Capital Region</td>
<td>6/30/2015</td>
<td>10:00am - 12:30pm</td>
<td>Hudson</td>
<td>Columbia Greene Community College</td>
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Program-Specific Pre-Recorded Webinars

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

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
      - DE/IE/FC Wastewater Infrastructure Engineering Planning Program/DE/IE/FC Wastewater Infrastructure Engineering Planning Program Webinar

Community Development
- Community Development, Waterfront Revitalization
  - Homes & Community Renewal
    - New York Main Street Program | New York Main Street Program Webinar
    - CDBG Economic Development and Small Business
    - CDBG Competitive Programs | Public Facilities CDBG Competitive Programs | Public Facilities 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
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](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:


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

Kenneth.Smith@dos.ny.gov

Guidebooks on waterfront revitalization and watershed planning:

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

To apply (by July 31st) 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

To apply (by July 31st) or access related CFA materials:
http://regionalcouncils.ny.gov
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
Develop and adopt Comp. Plan with sustainability elements

Put smart growth principles into land-use policies and regulations

Implement strategies that support bicycling and walking

Implement strategies that increase public transit ridership and alternative transport modes

Incentives for green industry or business to locate in a community

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.
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.
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

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
- 518-402-8448

Connect with us:
Facebook: www.facebook.com/NYSDEC
Twitter: twitter.com/NYSDEC
Flickr: www.flickr.com/photos/nysdec
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

Dazzle Ekblad
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!
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)
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 REScheck and COMcheck reports
• Inconsistent enforcement across municipalities challenging for builders and designers
• Inconsistent plan/construction quality
• No repercussions for poor performance
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
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
  • 3rd party services / Energy Code consultants
  • Data quality, retention and sharing
  • NYStretch
• Planned Gap Analysis (what works, what can improve, 3rd 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

Marilyn Kaplan (Project Manager)
marilyn.kaplan@nyserda.ny.gov
518-862-1090 x3298

Chris Sgroi (Assistant Project Manager)
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

**Classroom Training for Code Officials and Trades**

**Newport Ventures**
Margo Thompson