Driving Sustainability, Resilience, and Performance with LEED for Cities in the NY Olympic Region

This webinar will start at 10:30 AM.

Office of Climate Change
March 14, 2019
Welcome!

Today’s webinar: LEED for Cities

Connect to the audio with your phone:

1) Click on the “i” icon, upper left, for call-in details, and

2) Enter your unique attendee ID when prompted.
Today’s webinar topic: LEED for Cities

Problems or technical questions?

Use WebEx Chat

Content questions for speakers?

Use WebEx Q&A
Agenda

- **Announcements** – Willow Eyres, DEC
- **Introduction** – Dazzle Ekblad, DEC
- **Presentation** – LEED for Cities in the NY Olympic Region, with the following speakers:
  - Erik Backus, Clarkson University and USGBC
  - Mayor Craig Randall, Village of Lake Placid
- **Q & A**
Funding Opportunities

- **Municipal Clean Vehicle (ZEV) Rebates** from DEC OCC
  - No match; up to $5,000 per vehicle purchased or leased (36 mo.s)
  - Deadline: **July 26, 2019**

- **NYSERDA Drive Clean Rebates**: up to $2k for plug-in hybrids or battery-powered cars

- **NYSERDA Charge Ready NY**: $4,000 per port to for qualified Level 2 EV charging equipment at locations that provide public charging, workplace charging, or charging at a multi-unit dwelling
Upcoming Events

• March 26-27, NYS Organics Summit, Fairport (near Rochester)

• April 11, CSC Webinar: Building Community Networks and Resilience through Stewardship

• April 15-17, Community Risk and Resiliency Act (CRRA), NYS Floodplain and Stormwater Managers Association Conference, Suffern

• April 28-30, NY Planning Federation Annual Conference, Bolton Landing
Upcoming Events

• **May 8**- CRRA and other State Policies and Programs, **Hudson River Environmental Society Conference**, SUNY New Paltz

• **June 12**, **4th Annual Redevelopment Summit**: Pathways to Revitalization, Sage College in Albany

• **June 19-21**, **At What Point Managed Retreat?**, NYC
NYS Environmental Excellence Awards

**Recognize:**
Innovation  Sustainability  Unique Partnerships

**Honors:**
Businesses  Not-For-Profits
Municipalities  Academia
Indian Nations
State/Federal Govt Agencies
Showcasing innovative approaches:

• Clean energy projects & energy efficiency improvements
• Waste reduction and composting programs
• Greenhouse gas emissions reductions
• Climate change adaptations
• Green infrastructure projects
• Unique "farm to table" programs
• Creative urban forestry
• Water conservation programs
NYS Environmental Excellence Awards

Application deadline is Wednesday April 17, 2019

More information and forms on the NYSDEC website

http://www.dec.ny.gov/public/945.html
Context: CSC & LEED for Cities/Communities

Dazzle Ekblad
Benefits of CSC

• Free technical assistance (since 2009)
• Guidance & tools:
  • Webinars, email list, website, workshops
• Networking: Learn with like-minded community leaders
• Leadership recognition: State-level attention for local leaders
• Funding: Better positioned to compete for funds; CSC grants; EV rebates
• Certification program (2014): framework for local action, planning, priorities
Registered vs. Certified Climate Smart Community

- **Registered** = making a commitment
  - Local gov’t passes a formal municipal resolution adopting the 10-point CSC Pledge

- **Certified** = leaders who’ve implemented the pledge and documented their progress
  - Accumulate points through completing actions to achieve bronze or silver (gold TBD)
  - 1-20 points per action, 120+ total possible actions
  - Range of action types: planning, policies, outreach, implementation, etc.
New Certification Portal Launched in April 2018

https://climatesmart.ny.gov/

- Streamlines application process
- Reports with doc from certified communities
- Replaces 2014 manual
PE1 - Build a climate-smart community.
PE2 - Inventory emissions, set goals, and plan for climate action.
PE3 - Decrease energy use.
PE4 - Shift to clean, renewable energy.
PE5 - Use climate-smart materials management.
PE6 - Implement climate-smart land use.
PE7 - Enhance community resilience to climate change.
PE8 - Support a green innovation economy.
PE9 - Inform and inspire the public.
PE10 - Engage in an evolving process of climate action.

11 - Innovation
12 - Performance
<table>
<thead>
<tr>
<th>Cost / Funding</th>
<th>CSC Certification</th>
<th>LEED for Cities</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Free</td>
<td>• Better score on CSC grants</td>
<td>• Fees required (e.g., $5,000/yr)</td>
</tr>
<tr>
<td>• Better score on CSC grants</td>
<td>• Not linked to funding</td>
<td></td>
</tr>
<tr>
<td>Conceptual framework</td>
<td>• Climate change</td>
<td>• Sustainability</td>
</tr>
<tr>
<td>Definition of community</td>
<td>• Local government boundaries</td>
<td>• Self-defined by partners</td>
</tr>
<tr>
<td>Geographic scope</td>
<td>• Specific to New York State</td>
<td>• Internationally recognized brand</td>
</tr>
<tr>
<td>Measurement</td>
<td>• Pts for completing CSCC actions: more qualitative</td>
<td>• Tracking performance through metrics: more quantitative</td>
</tr>
<tr>
<td>Timeframe</td>
<td>• Re-certify every 5 years</td>
<td>• Five-year commitment (get certified w/in 1st yr) with annual updates</td>
</tr>
</tbody>
</table>
Why talk about LEED for Cities during a CSC webinar?

• It’s new!

• Some CSCs are already engaged with LFC:
  ➢ Lake Placid, Monroe County, City of Albany, City of Schenectady

• LFC = structure for advanced municipalities to track performance metrics on an ongoing basis.
  ➢ Includes sustainability metrics not covered by CSC: education, income levels, crime, air quality, etc.

• Many LFC actions align with CSC certification actions.
LEED for Cities/Communities

Erik Backus & Mayor Craig Randall
Driving Sustainability, Resilience and Performance with LEED for Cities/Communities in the NY Olympic Region

Erik C. Backus, P.E., LEED AP BD+C, ENV SP, FMP
NY Upstate USGBC Board Volunteer Chair & Professor of Practice, Clarkson University

Hon. Craig Randall
Mayor, Village of Lake Placid
Today’s Presenters

Erik Backus

Craig Randall
Agenda

• What is LEED For Cities/Communities?

• The New York Olympic Region (NYOR) – Unique partners for a unique place

• NYOR Sustainability Goals and LEED for Communities (so far)

• Alignment with NYS DEC Climate Smart Communities

• What’s Next and Opportunities

• Questions? ➔ Answers!
What is LEED for Cities/Communities?
LEED Professionals stand out in the building industry with a LEED Green Associate™ or LEED AP™ credential that’s designed to demonstrate their knowledge in the sustainable design, construction, operations and maintenance of buildings and communities.
94,000+ TOTAL PROJECTS

1.8 BILLION+ GSM of certified LEED space

1.5 MILLION+ Total Residential Units
From Green Buildings to Green Communities:
Working at Scale to Meet Tomorrow’s Environmental Challenges Today
LEED for Cities
LEED for Communities
Goals: LEED for Cities & Communities

- Environmental Conservation & Restoration
- Compact
  - Transit Oriented
  - Connected
  - Walkable
- Internet of Things
  - Connected through smart technologies
- Resource Efficient
  - Low Carbon / Carbon neutral
  - Water positive
  - Zero waste
- Quality of Life
  - Healthy
  - Human centric
  - Livable
  - Safe
- Resilient
  - Prepared for disaster
  - Adaptive
- Global Competitive Edge
Benefits: LEED for Cities & Communities

- Help cities/communities set goals, identify policies, action plans, strategies and projects to improve performance.
- Continuous tracking performance data to measure progress.
- Leverage a wide range of rating systems, standards, protocols & guidelines.
- Attract new capital – human and financial.
- Demonstrate and communicate your city’s sustainability efforts and leadership.
- Compare and benchmark performance with other participated cities, and share best practices.
- Meet City/Community’s specific targets, such as CO2 emission reduction and climate action goals.
PERFORMANCE, SCORED.

Energy: out of 33
Water: out of 15
Waste: out of 8
Transportation: out of 14
Human Experience: out of 20

Base score: out of 10

Education, Health, Safety, Equitability and Prosperity
<table>
<thead>
<tr>
<th>Category</th>
<th>Metrics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Energy</td>
<td>1. Greenhouse Gas Emissions (CO₂ equivalent)</td>
</tr>
<tr>
<td></td>
<td>2. Water Consumption</td>
</tr>
<tr>
<td>Water</td>
<td>3. Municipal Solid Waste Generated</td>
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<tr>
<td></td>
<td>4. Municipal Solid Waste Diverted from Landfill</td>
</tr>
<tr>
<td>Waste</td>
<td>5. Distance Traveled in Individual Vehicles Daily</td>
</tr>
<tr>
<td>Transportation</td>
<td>6. Population with (at least) a High School Degree</td>
</tr>
<tr>
<td></td>
<td>7. Population with (at least) a Bachelor's Degree</td>
</tr>
<tr>
<td>Education</td>
<td>8. Median Gross Rent as % of Household Income</td>
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<tr>
<td></td>
<td>9. Income Differential/Gini coefficient</td>
</tr>
<tr>
<td>Equitability</td>
<td>10. Median Household Income</td>
</tr>
<tr>
<td></td>
<td>11. Unemployment rate</td>
</tr>
<tr>
<td>Prosperity</td>
<td>12. Median Air Quality Index (AQI)</td>
</tr>
<tr>
<td></td>
<td>13. Air Quality Days Unhealthy for Sensitive Groups</td>
</tr>
<tr>
<td></td>
<td>14. Violent Crime</td>
</tr>
</tbody>
</table>
| Health & Safety| 15. Median

Parameters Available for Further Performance Tracking

- 200+ Parameters preloaded on the platform
- Additionally, Cities can provide parameters for measuring customized priorities
Cities/Community Vision & Goals

- UN SDGs
- Low carbon
- Green
- Sustainable
- Safer
- Healthier
- Responsive
- Efficient
- Equitable
- Resilient
- Smart
- Livable

Performance Measurement

- Energy
- Water
- Waste
- Transportation
- Education
- Economic prosperity
- Social equity
- Health & Safety

Deploy Strategies and Solutions – policies, action plans, and projects

Comprehensive planning – scenarios, policies

Implementation framework – coordination throughout departments

Performance tracking, and progress monitoring

Data reporting and benchmarking – develop baseline


Feedback/learning-by-doing/Challenges/Improvement

URBAN/NON-URBAN SUSTAINABILITY ROADMAP

- Climate Change
- Energy
- Water
- Waste
- Transport
- Green Land
- Air Quality
- Economic Strength
- Social Progression
- Domestic water use
- Transit Efficiency
- AQI
- Number of Threaten Days

Eco-Cities

Challenges/Improvement

Community engagement, Education & Skill development – decision makers, experts, stakeholders, citizens
Improve performance and certify to LEED for Cities:

Step 1: Register your city in arc
Step 2: Pre-certify
Step 3: Share data to receive a score
Step 4: GBCI review of data
Step 5: Certify to LEED for Cities
OPEN & INTEGRATED

STRATEGIES
LEED, PEER, SITES, WELL, EDGE, GRESB, Parksmart, City Protocol Society, STAR, Bioregional, Climate Positive, ICLEI, Carbon Disclosure Project, China EcoCity, ISO37120 ...
# Integrating STAR Community Index

Comprehensively Interconnecting Performance with 500+ Outcome Driven STAR Actions/Strategies

<table>
<thead>
<tr>
<th>Built Environment</th>
<th>Climate &amp; Energy</th>
<th>Economy &amp; Jobs</th>
<th>Education, Arts, &amp; Community</th>
<th>Equity &amp; Empowerment</th>
<th>Health &amp; Safety</th>
<th>Natural Systems</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ambient Noise &amp; Light</td>
<td>Climate Adaptation</td>
<td>Business Retention &amp; Development</td>
<td>Arts &amp; Culture</td>
<td>Civic Engagement</td>
<td>Active Living</td>
<td>Green Infrastructure</td>
</tr>
<tr>
<td>Community Water Systems</td>
<td>Greenhouse Gas Mitigation</td>
<td>Green Market Development</td>
<td>Community Cohesion</td>
<td>Civil &amp; Human Rights</td>
<td>Community Health</td>
<td>Biodiversity &amp; Invasive Species</td>
</tr>
<tr>
<td>Compact &amp; Complete Communities</td>
<td>Greening the Energy Supply</td>
<td>Local Economy</td>
<td>Educational Opportunity &amp; Attainment</td>
<td>Environmental Justice</td>
<td>Emergency Management &amp; Response</td>
<td>Natural Resource Protection</td>
</tr>
<tr>
<td>Housing Affordability</td>
<td>Energy Efficiency</td>
<td>Quality Jobs &amp; Living Wages</td>
<td>Historic Preservation</td>
<td>Equitable Services &amp; Access</td>
<td>Food Access &amp; Nutrition</td>
<td>Outdoor Air Quality</td>
</tr>
<tr>
<td>Public Parkland</td>
<td>Local Government GHG &amp; Resource Footprint</td>
<td>Workforce Readiness</td>
<td>Aging in the Community</td>
<td>Poverty Prevention &amp; Alleviation</td>
<td>Hazard Mitigation</td>
<td>Working Lands</td>
</tr>
<tr>
<td>Transportation Choices</td>
<td>Waste Minimization</td>
<td></td>
<td></td>
<td></td>
<td>Safe Communities</td>
<td></td>
</tr>
</tbody>
</table>
Communities that have actively engaged in programs: 200+

Certified communities

Active LEED for Cities and Communities

Savona/Italy, Surat/India, Songdo International Business District/South Korea, The New York Olympic Region, The Sky Castle at Kuliang/China, The Knowledge City/Panama, Enschede/Netherlands Afyon/Turkey, Meilan Airport Industrial Eco-city in Haikou/China
The New York Olympic Region (NYOR)

Unique Partners for a Unique Place
What is the New York Olympic Region?
NYOR Key Characteristics

- Multi-jurisdictional
- Rural
- Tourist-Based Economy
- Park Regulations
  - Maintain “Forever Wild”
What is the New York Olympic Region?

- Village of Lake Placid
- Town of North Elba
- Lake Placid Central School District
- ORDA
  - Olympic Facilities in NYOR
  - Whiteface
  - Gore
Reasons for focus on Sustainability and Resilience

- Need to demonstrate commitment, in order to support …
  - Ongoing Ironman and related competitions
  - World Children's Games 2019
  - FISU Universiade (World College and University Games) 2023
  - Future IOC Olympic Bid

- Public desire to commit to …
  - I Am Pro Snow 2016
  - Village Climate Smart Community 2018
  - Lake Placid Central School District Digester/Composting Project 2018-19

- Already seeing the effects of …
  - Climate change – Less snow coverage each year
  - Increased use of Trails – Increased trash, endangered habitat, parking issues
  - Income stratification – Teachers, Hospitality Workers, First Responders can’t find affordable housing in the village
  - And much more …
NYOR Sustainability Goals and LEED for Communities (so far)
LEED for Communities – Olympic Region of NYS

Background on the Olympic Region

- Home of the 1932 and 1980 Winter Olympics, interested in placing a bid for 2020 Winter Youth Olympics, wider aspirations
- 4 Parties involved in LEED For Communities: Village of Lake Placid, Town of North Elba, Lake Placid Central Schools and the NYS Olympic Regional Development Authority
- Lake Placid Registered as a NYS Climate Smart Community
- Income through tourism → Whiteface, ski jumps, Ironmans, Olympic Center, etc.
  - Busy seasons: winter and summer, slower times cause income decrease
LEED Lab Concept Beta-testing with Clarkson University
Thanks to Clarkson University Students and Faculty Members
Its all about the ... Data

What methods for collecting, organizing, and using non-homogeneous data support the community’s assimilation of disparate visions, plans, goals, and projects?

- Establish conclusions on the data investments (capture and analytics) needed to drive community-scale aspirations for various community scales
<table>
<thead>
<tr>
<th>Category</th>
<th>Metric</th>
<th>Units</th>
<th>NYOR</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2. Water Consumption</td>
<td>gal/yr/person</td>
<td>36,386</td>
</tr>
<tr>
<td>Waste</td>
<td>3. Municipal Solid Waste Generated</td>
<td>tons/yr/person</td>
<td>0.37</td>
</tr>
<tr>
<td></td>
<td>4. Municipal Solid Waste Diverted from Landfill</td>
<td>%</td>
<td>16.7%</td>
</tr>
<tr>
<td>Transportation</td>
<td>5. Distance Traveled in Individual Vehicles Daily</td>
<td>mi/day/person</td>
<td>45.9</td>
</tr>
<tr>
<td>Education</td>
<td>6. Population with (at least) a High School Degree</td>
<td>%</td>
<td>90.2%</td>
</tr>
<tr>
<td></td>
<td>7. Population with (at least) a Bachelor's Degree</td>
<td>%</td>
<td>33.9%</td>
</tr>
<tr>
<td>Equitability</td>
<td>8. Median Gross Rent as % of Household Income</td>
<td>%</td>
<td>21%</td>
</tr>
<tr>
<td></td>
<td>9. Income Differential/Gini coefficient</td>
<td>Gini</td>
<td>0.4017</td>
</tr>
<tr>
<td>Prosperity</td>
<td>10. Median Household Income</td>
<td>$</td>
<td>$60,651</td>
</tr>
<tr>
<td></td>
<td>11. Unemployment rate</td>
<td>%</td>
<td>6.6%</td>
</tr>
<tr>
<td>Health &amp; Safety</td>
<td>12. Median Air Quality Index (AQI)</td>
<td>AQI</td>
<td>39</td>
</tr>
<tr>
<td></td>
<td>13. Air Quality Days Unhealthy for Sensitive Groups</td>
<td>days</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>14. Violent Crime</td>
<td>crimes/yr/person</td>
<td>0.00578</td>
</tr>
</tbody>
</table>
Additional Goals

Certify Lake Placid, North Elba, LPCSD, and the ORDA

Create a replicable model for certification for other communities to follow
Community Goals

• “Create improved trails connectivity and conditions for biking, skiing, etc. to and from the Village and within the Village
• Enable continued savings in energy use and improve the local electrical security/resiliency/storage
• Provide full water metering for all connected users (current status: not fully metered in the village)
• Develop a comprehensive approach to manage stormwater within the village in order to address water body stresses especially for Lake Placid and Mirror Lake while accounting for multi-seasonal effects (e.g. road salt, etc.)
• Address and improve traffic within the village and to the surrounding sites to enable vibrancy for the core for all citizens and visitors
• Address and enable solutions in order to improve housing equity within the region”
<table>
<thead>
<tr>
<th>Theme</th>
<th>Category</th>
<th>Indicator</th>
<th>LPCSD</th>
<th>ORDA</th>
<th>TNE</th>
<th>VLP</th>
<th>Description</th>
<th>Potential Data Source</th>
<th>Notes</th>
<th>Collection Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Building Efficiency</td>
<td></td>
<td># LEED certified buildings</td>
<td></td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td></td>
<td></td>
<td></td>
<td>yearly</td>
</tr>
<tr>
<td></td>
<td></td>
<td># buildings certified under a sustainability program</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td># people using green appliance incentive programs</td>
<td></td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>Heating Degree Days</td>
<td></td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td># days with average outdoor temperature below set standard</td>
<td>USGBC, Energy STAR, etc</td>
<td></td>
<td>yearly</td>
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<tr>
<td></td>
<td>Cooling Degree Days</td>
<td></td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td># days with average outdoor temperature above set standard</td>
<td></td>
<td></td>
<td>yearly</td>
</tr>
<tr>
<td>Recycling</td>
<td></td>
<td>Total recyclable waste collected</td>
<td></td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td></td>
<td></td>
<td></td>
<td>yearly</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Total recyclable waste collected at large community events</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>Waste collected as part of LPHS student project</td>
<td></td>
<td></td>
<td>as needed</td>
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<tr>
<td></td>
<td></td>
<td>Total municipal recycling coverage</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td># addresses serviced</td>
<td>Waste management company(ies)</td>
<td></td>
<td>yearly</td>
</tr>
<tr>
<td>Waste</td>
<td>Waste management</td>
<td># businesses committed to reducing or eliminating single use plastics</td>
<td></td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td></td>
<td></td>
<td></td>
<td>yearly</td>
</tr>
<tr>
<td></td>
<td>Municipal solid waste collection coverage</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td># addresses serviced</td>
<td>Cathy Edmund, Shannon Porter</td>
<td></td>
<td>yearly</td>
<td></td>
</tr>
<tr>
<td>Water</td>
<td>Water monitoring</td>
<td>% metered connected users</td>
<td></td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td></td>
<td></td>
<td></td>
<td>yearly</td>
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<tr>
<td></td>
<td>Gallons rainwater collected per year</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>Gallons of rainwater collected as part of LPHS student project</td>
<td>LPHS</td>
<td></td>
<td>yearly</td>
<td></td>
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<tr>
<td></td>
<td>Annual rainfall</td>
<td></td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>By facility</td>
<td>ORDA</td>
<td></td>
<td>yearly</td>
</tr>
<tr>
<td></td>
<td>Pump efficiency</td>
<td></td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>By facility</td>
<td>ORDA</td>
<td></td>
<td>yearly</td>
</tr>
<tr>
<td></td>
<td>Annual water usage for snowmaking</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>By facility</td>
<td>ORDA</td>
<td></td>
<td>yearly</td>
<td></td>
</tr>
<tr>
<td>Water Sources</td>
<td># households with self supplied water</td>
<td></td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td># households with private wells</td>
<td></td>
<td></td>
<td>yearly</td>
<td></td>
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<tr>
<td></td>
<td># households with municipal water</td>
<td></td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td></td>
<td></td>
<td></td>
<td>yearly</td>
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<td></td>
<td>Deviation of waterline at Ausable Weir</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td></td>
<td>ORDA</td>
<td></td>
<td>daily? yearly?</td>
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<td>Proportion of households with public water</td>
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<td>Proportion of households with public water (versus private wells)</td>
<td></td>
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<td>yearly</td>
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Alignment with NYS DEC
Climate Smart Communities
How are CSC & CEC related?

Climate Smart Communities Certification
• Comprehensive climate action program
• ~130 unique actions
• Improve score on CSC grant applications

Clean Energy Communities (NYSERDA)
• Focused on clean energy
• 10 high-impact actions
  • 1 of 10 is becoming a Certified CSC
• Complete 4 actions to access CEC grants

➢ Earn points toward CSC Certification by doing CEC actions
➢ Do both!
Pledge Elements

PE1: Build a climate-smart community
PE2: Inventory emissions, set goals, and plan for climate action.

PE3: Decrease energy use.
PE4: Shift to clean, renewable energy.

PE5: Use climate-smart materials management.
PE6: Implement climate-smart land use.

PE7: Enhance community resilience to climate change.

PE8: Support a green innovation economy.

PE9: Inform and inspire the public.

PE10: Engage in an evolving process of climate action.

PE11: Innovation
PE12: Performance
What’s Next and Opportunities
Upcoming Opportunities

• LEED for Cities and Communities Workshop
  • April 16th, Syracuse, NY; 4 hours, with professional development credits

• LEED for Cities and Communities Grant
  • $25k in support, USGBC membership, and much more
  • Deadline: March 22nd

• Smart Growth America
  • Various services, workshops and resources; annual grant competitions
  • [https://smartgrowthamerica.org/work-with-us/workshop-types/](https://smartgrowthamerica.org/work-with-us/workshop-types/)
Questions? ➔ Answers!

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Webinar slides & recordings:
http://www.dec.ny.gov/energy/84359.html

CSC Certification Portal:
https://climatesmart.ny.gov

CSC Funding Programs:
http://www.dec.ny.gov/energy/109181.html