

CAPI: Meeting 1 OVERVIEW

- Introductions
- CAPI
 - Course outline and goals
- Review sample GHG Inventories and Climate Action Plans
- Preparation for next meeting



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NYSERDA'S CLEAN ENERGY COMMUNITIES PROGRAM

A partnership between NYSERDA, CDRPC, and HVRC.

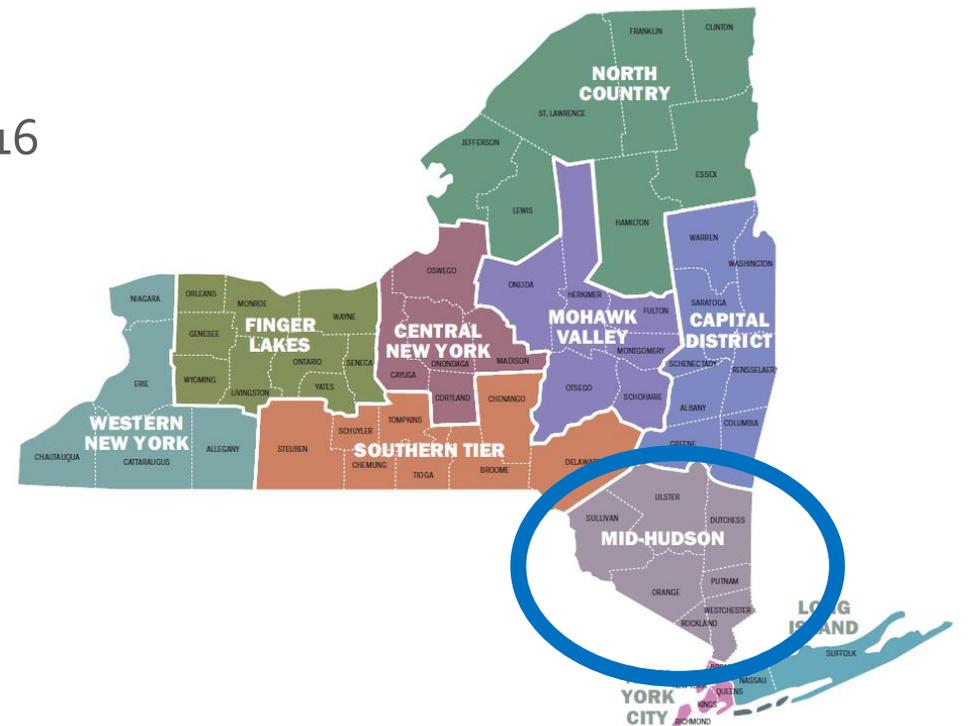


Representing Capital District Regional Planning Commission, an Independent Contractor to NYSERDA



HUDSON VALLEY REGIONAL COUNCIL

- Hudson Valley Regional Council
 - Mid-Hudson Region
 - 7 counties and the Cities/Towns/Villages within them
 - Regional NYSERDA subcontractor for NYSERDA's Clean Energy Communities Program
- CEC Program
 - Launched August of 2016
 - Funded through 2019



10 HIGH-IMPACT ACTIONS

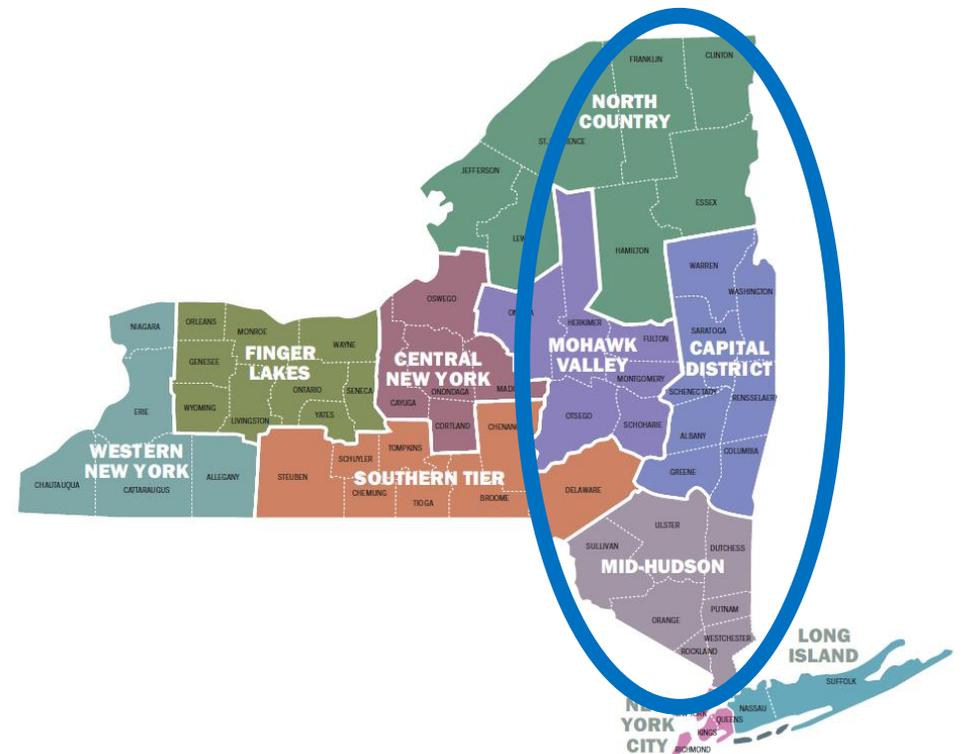
- Benchmarking
- Clean Energy Upgrades
- LED Street Lights
- Clean Fleets
- Solarize
- Unified Solar Permit
- Energy Code Enforcement Training
 - *upcoming training July __
- Climate Smart Communities Certification
- Community Choice Aggregation
- Energize NY Finance



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Climate Action Associates

- Eastern Upstate Territory NYSERDA subcontractor for CECP
- Technical expertise and tool development



CAP Institute 2018

Introductions

- Participating Communities
 - Esopus
 - Gardiner
 - Marbletown
 - New Paltz (Town and Village)
 - Philipstown
 - Saugerties
- Needs/expectation from CAPI participation
- Updates from your community
 - Climate Smart Communities Program status: CSC coordinator, community task force, etc.
- Logistics
 - Dinner, etc.



<p>May 9, 2018</p> <p>Meeting 1: Introduction</p> <p>Introduction to CEC & CSC Programs</p> <ul style="list-style-type: none"> ● Review of CSC materials, tutorial on Workbook & Manual, CSC action submittal forms, etc. ● Review of CEC Benchmarking and Clean Energy Upgrades actions <p>Introduction to CSC Program Pledge Element 2</p> <ul style="list-style-type: none"> ● Review of CAP process (both government operations and community) and outline of steps and outcomes ● Review existing CAPs <ul style="list-style-type: none"> ○ Identify goals (goal statement) and review template CAP 	<p>Homework (for next meeting)</p> <ul style="list-style-type: none"> ● Develop CSC Task Force <ul style="list-style-type: none"> ● Set meetings schedule for this project (including Task Force and all other stakeholder engagement meetings and presentations) ● CSC Coordinator/Task Force: Conduct the following stakeholder meetings: <ul style="list-style-type: none"> ● Government <ul style="list-style-type: none"> ▪ Identify/appoint government Liaison & staff members for GHG inventory data collection ● Task Force <ul style="list-style-type: none"> ▪ Review all materials & estimate anticipated CSC points in Workbook (in “Tracking Checklist” sheet) ▪ Identify goals and draft goal statement ● Recommended: Submit for completed CSC actions (1.1, 1.3, etc.)
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<p>Homework (for next meeting)</p> <ul style="list-style-type: none"> ● Develop CSC Task Force <ul style="list-style-type: none"> ● Set meetings schedule for this project (including Task Force and all other stakeholder engagement meetings and presentations) ● CSC Coordinator/Task Force: Conduct the following stakeholder meetings: <ul style="list-style-type: none"> ● Government <ul style="list-style-type: none"> ▪ Identify/appoint government Liaison & staff members for GHG inventory data collection ● Task Force <ul style="list-style-type: none"> ▪ Review all materials & estimate anticipated CSC points in Workbook (in “Tracking Checklist” sheet) ▪ Identify goals and draft goal statement ● Recommended: Submit for completed CSC actions (1.1, 1.3, etc.)

Climate Smart Communities Program

- **NEW CSC Certification Portal:** <https://climatesmart.ny.gov/>
 - Go to “COMPLETE ACTIONS” to view points, requirements, etc.
 - Press release <https://www.dec.ny.gov/press/113384.html>
 - New Quarterly submission deadlines
 - Does your community have a login yet for the portal?
- **NEW Changes to CSC actions/point allocations**
 - PE1: Appoint a CSC Coordinator (10 points)
 - PE2: Appoint a CSC Task Force (20 points)
 - *Internal Green Team action removed
 - PE2 Action: Government Operations GHG Inventory (16 points)
 - (<https://climatesmart.ny.gov/actions-certification/actions/#open/action/6>)
 - PE2 Action: Government Operations Climate Action Plan (12-16 points)
 - (<https://climatesmart.ny.gov/actions-certification/actions/#open/action/10>)
 - CAP Institute & CSC Program
 - CSC Coordinator + task force +CSC Program + LGO GHG Inventory/CAP = 61-65 CSC points!
 - 120 points needed for silver level of certification
- **REMINDER: CSC Certification Portal Webinar tomorrow**
 - **Thursday 5/10, 10:30 AM – noon**
 - http://www.dec.ny.gov/calendar/ViewItem.html?cal_item_id=5277&integral=o&from_social=1&dtwhen=2458249



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Climate Smart Communities Program

- **CSC Certification Portal**

- Is your community ready to submit for the following completed actions now?
 - PE1 Action: Appoint a CSC Coordinator (10 points)
 - PE1 Action: Appoint a CSC Task Force (20 points)
 - PE1 Action: Regional/National Campaign (3 points)
 - (If participating in CEC Program)
 - Completed CEC Program High Impact Actions (*except ECET)
 - Benchmarking
 - Unified Solar Permit
 - Solarize campaign
 - EV charging station
 - LED street lights
 - Etc.
 - Other completed CSC actions?



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- **REGISTERED CLIMATE SMART COMMUNITIES**

- Dutchess County

- 14, including the County
- Dutchess County; City of Beacon; Town of Clinton; Town of Dover; Town of Hyde Park; Town of LaGrange; Town of North East; Town of Pine Plains; Town of Red Hook; Town of Rhinebeck; Town of Wappinger; Village of Rhinebeck; Village of Tivoli; Village of Wappingers Falls
- *New – Town of Poughkeepsie

- Putnam County

- Town of Philipstown

- Ulster County

- 12, including the County
- **Ulster County (Silver Certified); City of Kingston (Silver Certified);** Town of Esopus; Town of Gardiner; Town of Marletown; Town of Olive; Town of New Paltz; Town of Rosendale; Town of Saugerties; Town of Shandaken; Town of Woodstock; Village of New Paltz
- *New - Hurley



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CAP Institute: GHG Emissions Inventories

CSC Program:

Requirements for Local Government Operations GHG Inventories

- The inventory should include, at minimum:
 - Direct GHG emissions (known as Scope 1)
 - government-owned vehicles and from onsite fuel combustion (e.g., natural gas, propane, or fuel oil)
 - Indirect GHG emissions (known as Scope 2)
 - purchased electricity
 - Scope 3 emissions
 - Optional for this action, though highly encouraged
 - Scope 3 emissions are the other indirect GHG emissions not included in Scope 2, including:
 - extraction and production of purchased materials and fuels
 - transportation in vehicles not owned or controlled by the reporting entity
 - outsourced activities
 - waste disposal
 - (A common source of Scope 3 emissions often included in LGO inventories is employee commuting)
- **Considerations**
 - Scope
 - Baseline year(s)
 - Municipal energy data to collect
 - Spreadsheet tool
- **Examples**
 - Canton



CAP Institute: Community GHG Emissions Inventories

- **2012 Mid-Hudson Regional GHG Emissions Inventory**
 - http://www.dec.ny.gov/docs/administration_pdf/midhudghginventory.pdf
 - Regional GHG Inventories in New York State: Cleaner, Greener Communities program: contractors prepared regional GHG inventories for each of the state's ten economic development regions
 - Quantification approach
 - Blend of top-down data (e.g., state fuel consumption estimates) and bottom-up data (customer utility data). This mix was dictated by data availability, existing protocols, and resource limitations
 - Base year: 2010
 - **Template customized for your community**
 - But, 2010 baseline year
 - How to get current/future energy data?



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CAP Institute: Emissions Reduction Targets

- Local Government Operations vs Community
- New York State's emissions reductions targets
 - Per CSC Program: Local governments are encouraged to align their targets with state goals

40% Reduction
in GHG emissions from 1990 levels

Reducing greenhouse gas (GHG) emissions from the energy sector—power generation, industry, buildings, and transportation—is critical to protecting the health and welfare of New Yorkers and reaching the longer term goal of decreasing total carbon emissions 80% by 2050.

50% Generation
of electricity must come from renewable energy sources

Renewable energy sources, including solar, wind, hydropower, and biomass, will play a vital role in reducing electricity price volatility and curbing carbon emissions.

23% Decrease
in energy consumption in buildings from 2012 levels

Energy efficiency results in lower energy bills and is the single most cost-effective tool in achieving energy objectives. 600 trillion British thermal units (Tbtu) in energy efficiency gains equates to 23% reduction in energy consumption by buildings.



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CAP Institute: Climate Action Plans

- Local Government Operations vs Community
- Components
 - GHG Emissions Inventory
 - Setting achievable emissions reductions targets against the baseline
 - Strategies to achieve these targets
- Examples (in Drive folder)
 - Watervliet (LGO)
 - Kingston
 - Dobbs Ferry
 - Bedford
 - New Castle



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CAP Institute: Climate Action Plans

- **Google Drive**

- **Link to shared folder:**

<https://drive.google.com/drive/folders/1e8KISNDXvB2OLoD4z6WYoYGyk2SHTYXr?usp=sharing>

- **Resources folder**

- CSC Program's GHG emissions inventory resources, sample Climate Action Plans, etc.
- CSC Program: LGO Climate Action Planning Guide:
http://www.dec.ny.gov/docs/administration_pdf/cscapguide2014.pdf

- **4 key documents**

1. Course Outline
2. CSC Actions Checklist – this is from the new CSC certification portal and reflects the changes to actions and point allocations, etc.
3. CSC Action Requirements – this has a link to the new CSC portal, and the requirements and resources list for the CSC actions we will be working on
4. Data list – sample list of data needed for a local government operations GHG emissions inventory. This is from the CSC guide “Developing a Local Government Operations Greenhouse Gas Inventory”, also found in the Resources folder

- **CSC Program January 11, 2018 Webinar:**

- The Role of Community Engagement in Local Climate Action Planning
(<https://www.dec.ny.gov/energy/84359.html>)

- The Role of Community Engagement in Local Climate Action Planning - Slides
(https://www.dec.ny.gov/docs/administration_pdf/cscwebinarcap.pdf)



CAP Institute: Homework

- **Develop CSC Task Force**
 - Set meetings schedule for this project (including Task Force and all other stakeholder engagement meetings and presentations)
- **CSC Coordinator/Task Force:**
 - **Conduct the following stakeholder meetings:**
 - Government
 - Identify/appoint government Liaison & staff members for GHG inventory data collection
 - Task Force
 - Review all materials & estimate anticipated CSC points in ~~Workbook~~ (in ~~“Tracking Checklist”~~ sheet)
 - Identify goals and draft goal statement
- **Recommended:**
 - **Submit for completed CSC actions** (1.1, 1.3, etc.)



<p>June 13, 2018</p> <p>Meeting 2: Benchmarking & GHG Emissions Inventories</p>	<p>Homework (for next meeting)</p>
<p>GHG Emissions Inventory Overview: Government Ops & Community</p> <ul style="list-style-type: none">• Review of 2012 Mid-Hudson Regional Community GHG Emission Inventory (and participants' inventory created from existing CSC/VHB template)• Review of LGO GHG Emissions Inventory workbook for data collection• Choose inventory scope/identify baseline year and all data needed	<ul style="list-style-type: none">• Review data collection workbook• CSC Coordinator/Task Force: Conduct the following stakeholder meetings:<ul style="list-style-type: none">▪ Government Liaison<ul style="list-style-type: none">• Set data collection schedule▪ Task Force<ul style="list-style-type: none">• Assign tasks for completion of Government Ops Inventory• Draft narrative for Community Inventory• Collect data for Government Ops Inventory

NEWS

- **Ulster County Green Business Challenge: Ambassador Training**
 - **Thursday 5/24, 6-8:00 PM, SUNY Ulster Extension at Kingston Center, rm 104**
 - Register here: <https://www.surveymonkey.com/r/GreenBusinessChallengeTraining>
 - Thank you for volunteering to become a Green Building Challenge Ambassador to help area business take significant Climate action. The goal of Ulster County Climate Smart committee is to get 100 businesses to undertake an energy audit and retrofit, insulate and air-seal their building, switch to LED lighting or air- or ground-source heat pumps, install a solar system, purchase locally generated renewable energy, reuse food waste by participating in the HV Food Bank or by composting, purchase an electric vehicle or install an EV charging station, or propose another energy saving or clean energy generating climate solution. To accomplish this ambitious goal, a team of experts will train you to work with Ulster County businesses, organizations and/or municipalities to implement these and other climate solutions that will really have an impact -- then to speak with your favorite businesses to help them take action, with support from the trainers. This training is worth taking in its own right -- chock full of valuable information for residents and businesses alike.
- **Hudson Valley Green Drinks:**
 - **Wednesday, May 30th , 5 - 8 pm at the Tavern at Diamond Mills (South Partition Street, Saugerties)**
 - Please RSVP using this link: <https://hvgreendrinks2018.eventbrite.com>
 - *As always:* There is no admission fee - and walk-ins are most welcome



CONTACT US

See you on June 13th!

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