



# Climate Resilience Working Group Meeting

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Public Service Law (PSL) § 66(29) – PSC Case 22-E-0222

*The meeting will begin shortly*

# Agenda

- 1) Welcome participants
- 2) Briefly review context & background for today's meeting
- 3) Spotlight: Extreme Heat in NYS – Heat Island Identification Methodology
- 4) Discuss questions, comments, next steps





## Welcome

- **Stakeholder collaboration and feedback are key, thank you for your involvement.**

### Central Hudson's Presenters:

- Brad Brandt – Associate Program Manager, Energy Policy & Regulation
- Jake Reinert – Senior Program Manager, Energy Policy & Regulation



# Context & Background

# Climate Resilience Working Group – Overview

- Central Hudson is committed to working with stakeholders to provide transparency and collect feedback to ensure that community and consumer electric system planning needs are considered in the face of climate change.
- Membership is open to any stakeholder wishing to participate.
- We meet at least 2x annually in accordance with PSL §66(29).
- Please contact [ClimateResilience@cenhud.com](mailto:ClimateResilience@cenhud.com) to be added to the distribution list.
- Participating organizations since 2022 have included:

City of Poughkeepsie	Orange County
City of Kingston	Greene County
City of Newburgh	DPS Staff
Columbia County	NYS DOS UIU
Ulster County	Town of Olive
Dutchess County	NYSERDA
Albany County	Multiple Intervenors
Sullivan County	PULP
Putnam County	NY GEO
Sustainable HV	Others

In 2025, we began inviting telecommunication service providers (joint use pole owners and attachers) to join this working group





# **Spotlight: Heat Island Identification Methodology**

# Extreme Heat in New York State

- Extreme Heat Action Plan recommends actions to address extreme heat concerns
- PSC initiates process to review existing utility-specific extreme heat protections
  - Extreme Heat Protections order issued in March 2026
  - Adopted uniform statewide practices
  - Initiated a process to identify potential heat islands statewide



# Heat Island Identification Methodology

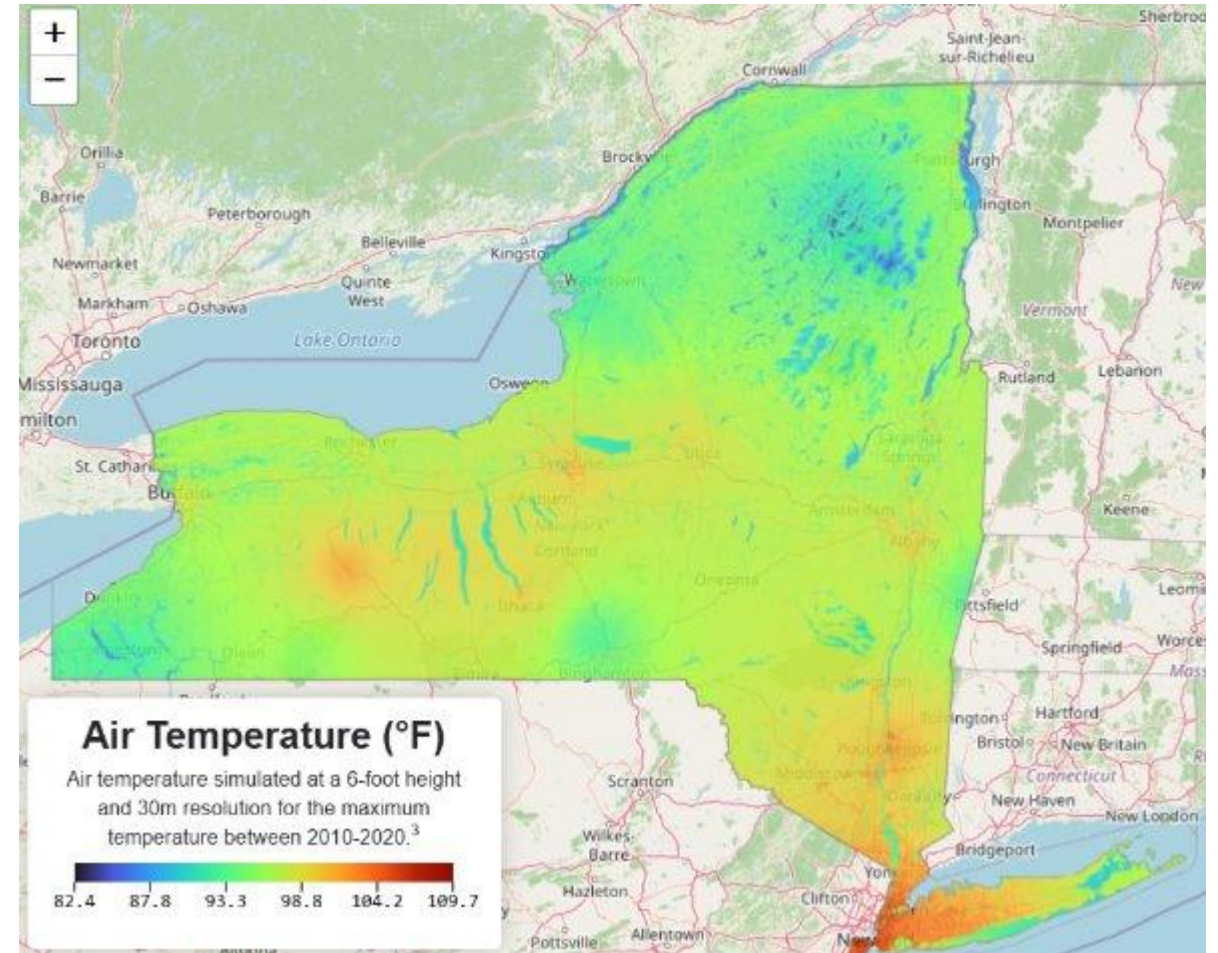


- **PSC:** Heat Island is a developed area with **limited natural landscape**, such as cities or a subset of a city, that **experiences higher temperatures than nearby surrounding areas** due to concentrated buildings, roads, and other infrastructure that absorb and re-emit the sun's heat.
- **EPA:** The heat island effect results in **daytime temperatures in urban areas about 1–7°F higher than temperatures in outlying areas** and nighttime temperatures about 2–5°F higher.

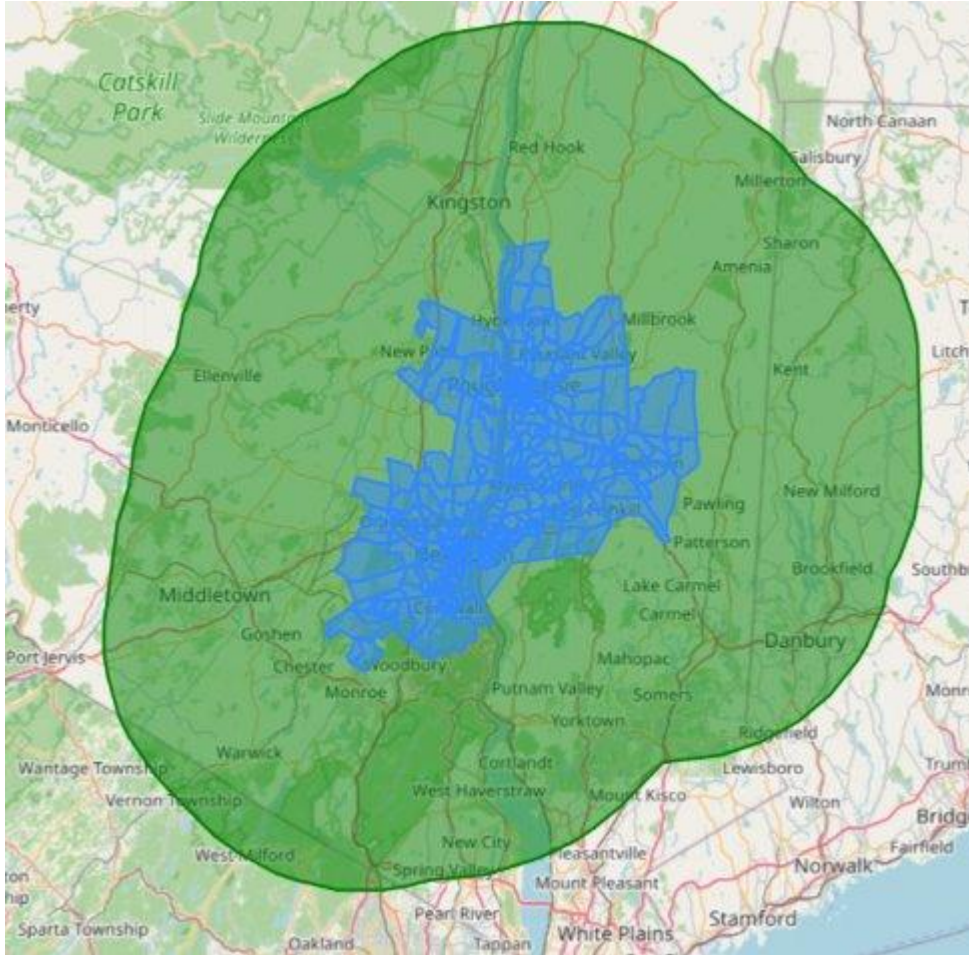


# Heat Island Identification Methodology - Dataset

- NYS Department of Environmental Conservation Urban Heat Island Effect Maps
- Prepared by the SUNY College of Environmental Science and Forestry and the Davey Institute
- Identifies hottest hour between 2010 and 2020 for NYS urban areas
- Uses weather station data, land use, impervious cover, tree cover, and elevation values to determine temperatures on a 30m resolution



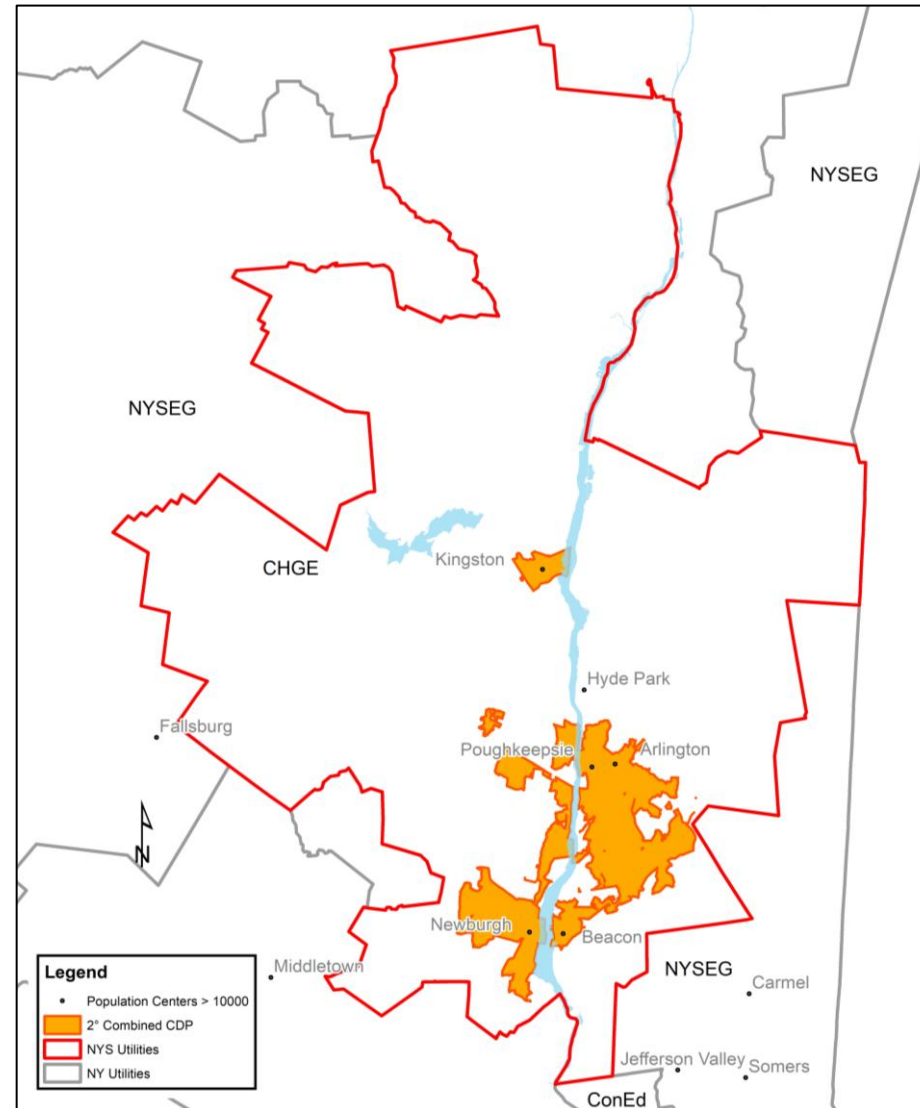
# Heat Island Identification Methodology



- 30km buffer to compare non-urban block groups against census urban block groups
- Calculate the mean temperature for all the non-urban block groups to compare against individual urban block groups
- Flag any urban block group above  $2.0^{\circ}\text{F}$  as an urban heat island
- Expand to census designated places



# Heat Island Identification Methodology – Results



# Next Steps

- Utility proposals filed June 1 in Case 24-M-0586
- Opportunity to file comments on the utilities' proposals prior to Commission action
- Potential to revisit as new datasets emerge





# Looking Ahead

# Working Group Next Steps

- We'll continue to convene this group at least 2x annually.
  - Suggestions for future agenda items are welcome and appreciated.
- These slides will be available at <https://www.cenhud.com/en/my-energy/our-energy-future/climate-change-resilience-plan/>
- Let's stay in touch via [ClimateResilience@cenhud.com](mailto:ClimateResilience@cenhud.com)
- Future meetings will discuss additional spotlight climate topics.
- Updated CCRP due in November 2028.



# Participant Questions & Feedback

**Questions**

**Comments**

**Feedback**



**Thank you!**











Chart Title

