

Putnam County Resiliency Project

Community Climate Adaptation and Resiliency Plan

October 24, 2025

Presenter:
Mary Lambert, Climate Action Planning Manager



Hudson Valley Regional Council



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Agenda

Introduction

Evaluate Policies for Climate Resilience

Climate Vulnerability Assessment

Next Steps



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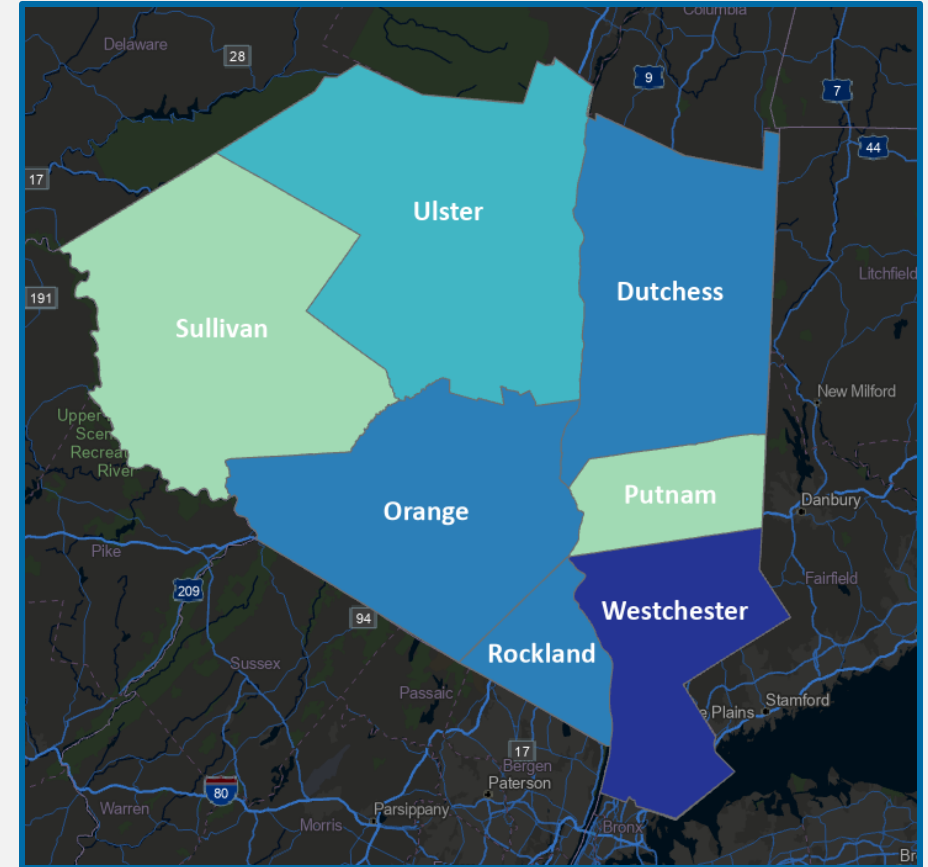
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HVRC Regional Initiatives

- Economic Development Administration
- NYS DEC 604(b) Water Quality Planning Program
- NYSERDA Clean Energy Communities Program
- NYS DEC Climate Smart Communities Program
- HVRC Climate Action Planning Institute
- Landfill Biofilters Project
- City of Kingston Organics Diversion Plan
- Regional Platforms
 - Mid-Hudson Regional Sustainability Coalition
 - Materials Management Working Group



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Resilience & Adaptation at HVRC

Current Efforts

- **Climate Smart Communities Program**
 - County-level Climate Vulnerability Assessments & Climate Adaptation Plans
 - Technical Assistance on Resilience & Adaptation Projects

Past Projects

- **CAPI Adapt**
 - Cohort-based program to produce Climate Vulnerability Assessments & Adaptation Plans
 - Included communities in Dutchess & Westchester County



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NEW YORK STATE
WATER RESOURCES
INSTITUTE



Hudson River
Estuary Program

A Program of the New York State Department of Environmental Conservation



Putnam County Resilience Project

- County-level Evaluate Policies for Climate Resilience (CSC: 6 pts)
- County-level Climate Vulnerability Assessment (CSC: 8 pts)
- County-level Climate Vision (CSC: 3 pts)
- County-level Climate Adaptation Plan (CSC: 8 pts)
- Additional Technical Assistance on Resilience & Adaptation Projects for Putnam County Municipalities



Evaluate Policies for Climate Resilience

- Evaluation of existing plans, policies, and projects to:
 - Expose gaps and vulnerabilities
 - Help ensure past policies will either help, reduce, or, at a minimum, not increase vulnerability
 - Stimulate ideas and collaboration among local government staff and officials
- [CSC Climate Smart Resiliency Planning – A Planning Evaluation Tool for New York State Communities](#)



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What is Climate Vulnerability?

Vulnerability

Vulnerability: The degree to which physical, biological, and socioeconomic systems are susceptible to and unable to cope with adverse impacts of climate change (SOCCR2, 2018). Generally, systems that are sensitive to climate conditions and less able to adapt to changes are considered to be vulnerable to climate change impacts.

[\(Definitions sourced from CCARP template\)](#)



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Adaptation

In human systems, **the process of adjustment to actual or expected climate and its effects to moderate harm or exploit beneficial opportunities.** In natural systems, the process of adjustment to actual climate and its effects; human intervention may facilitate adjustment to expected climate and its effects (IPCC 2022).

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Resilience

The capacity of interconnected social, economic and ecological systems to cope with a hazardous event, trend or disturbance, responding or reorganizing in ways that **maintain their essential function, identity and structure.** Resilience is a positive attribute when it **maintains capacity for adapting learning and or/transformation** (IPCC 2022)



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How to Complete a CVA?

Step 1: What hazards are relevant to Putnam County?

Climate Summary

Extreme heat, severe storms, flooding



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How to Compete a CVA?

Step 1: What hazards are relevant to Putnam County?

Climate Summary

Extreme heat, severe storms, flooding

Step 2 & 3: What hazards are relevant & what is at risk?

Community Infrastructure, Socio-Economic, Natural/Working Lands

Exposure, Sensitivity, Adaptive Capacity



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Step 4: How will vulnerable populations be impacted?

Inclusive process & engagement



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Step 5: How do stakeholders prioritize hazards, assets & vulnerabilities?

Conduct outreach and engagement events



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Step 6: Which assets and systems should be prioritized?

Exposure/Sensitivity, Importance, Impact on Vulnerability



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Exposure/Sensitivity, Importance, Impact on Vulnerability

Step 7: Write & Publish Summary Report on Website

Hazards, Impacts, Risk



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Hazards, Impacts, Risk

Step 8: How often should the plan be updated? How?

At least every 10 yrs



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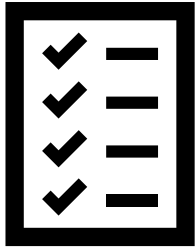


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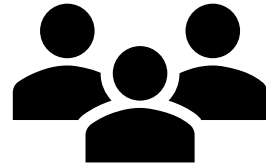


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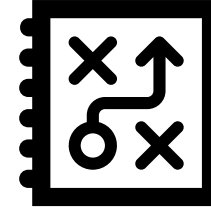
Benefits: Climate Vulnerability Assessments



Understand risks



Gauge community
priorities



Tailor strategies in
Adaptation Plan



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Progress

- Pass a Resolution in Support of Plan (complete)
- Climate Hazards Summary for Putnam County (draft complete)
- Evaluate Past Policies for Climate Resilience (in progress)
- Formation of a Working Team (in progress)
- Initiate Outreach and Engagement (in progress)



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Looking forward (w/tentative dates)

- Complete Evaluation of Past Policies: November
- Initiate Engagement and Visioning: November
- Public Survey: December-January
- Public Outreach and Engagement: (Q4 2025-Q2 2026)
- Complete Draft CCARP (Q1 2026)
- Additional Engagement (Q1-Q2 2026)
- Adopt CCARP (Q2-Q3 2026)



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Questions?



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