Adaptation Success in the Hudson Valley
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Biggest successes so far are in capacity building and planning

Visualization is key

Implementation can be a longer process

CAD student design for Block Park Kingston, NY
The first step toward adaptation is completing a vulnerability assessment
Communities have led by conducting vulnerability assessments

Hudson
Catskill
Kingston
Stony Point
Piermont
Saugerties
Peekskill and Cortlandt
Haverstraw and West Haverstraw
Task Forces developed future scenarios

Goal: To reduce people & assets in risk areas, protect some areas, and create new green infrastructure in village

Adaptation Elements

- roads in **black** raised now to 6.75ft (MHHW +2 ft freeboard + 29inches SLR) and to 10.3 ft in 2050 (MHHW +2ft freeboard+ 72inches SLR)
- All properties in **light purple** elevated now to ABFE (2014) + 2 ft freeboard + 29inchesSLR
- All properties in **purple** wet flood-proofed on first floors
- Removable floodwall installed along **dotted black** line - begins at grade and extends to 20’NAVD (MSL+10ftABFE +72”SLR + 2ft freeboard)
- New **bridges** installed now
- Buyout homes in tan in **2020**
- Buyout homes in pale green in **2050**
- Construct esplanades in **2050**

Piermont Marshway Scenario
Working with Task Forces to achieve goals

- Distilling grants and financing
- Fostering communication and collaboration
- Connecting to state agencies and partners
- Facilitating workshops
- Offering design assistance
Example: Piermont

Created Waterfront Resilience Commission and became a Climate Smart Community

1/3 of New Yorkers live in communities that have taken the pledge
Example: Stony Point

Working with Rockland county to map and right-size culverts to reduce flood risk

http://rocklandgov.com
Example: Kingston

Incorporated resilience into BOA and new comprehensive plan
Example: Catskill

Analyzing wastewater system, local zoning for resiliency

Credit: Scenic Hudson
New Initiatives to Support Task Forces

• Shareable flood guide

• Mapping water infrastructure

• Screening for green infrastructure opportunities

• Model ordinances for flood resilience
Flood Guide

- Emergency shelters for people and pets
- Evacuation routes
- Flood-prone roads and areas
- Safe parking spots
- Contacts for debris removal

A template you can use!

www.villageofcatskill.net
How to get involved

• Learn from these leading community members
• Look at mapping resources and consider your community’s future
• Ask about opportunities to make your community more resilient
• Apply for a grant
  CFA website: https://regionalcouncils.ny.gov/
• Consider sharing staff or services with neighboring communities
A lot can change in a century…

Sanford Robinson Gifford. *South Bay, on the Hudson*, 1864
A lot can change in a century…
so develop your vision for the future.
Thank You

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Watershed Resiliency Project
http://blogs.cornell.edu/estuaryresilience/