

USING MODEL LOCAL LAWS TO INCREASE RESILIENCE: UPSTATE INLAND COMMUNITIES

Irene Holak, Coastal Resources Specialist

ONONDAGA COUNTY PLANNING FEDERATION'S 36TH ANNUAL PLANNING SYMPOSIUM

MARCH 25, 2025

Department of State

Office of Planning, Development & Community

- Coastal Management Downtown Revitalization Program
- -Local Waterfront Revitalization Program
- -State Coastal Management Program
- -Long Island Sound Coastal Management Program
- -Coastal Consistency Review
- -Long Island South Shore Estuary Reserve Program
- -Ocean and Great Lakes

• New York Forward

Initiative

- Brownfield Development (Brownfield Opportunity Area) Program
- NYS Smart Growth Program

**Please note some program funding is through the NYS Consolidated Funding

Drogram

Department of State Office of Planning, Development & Community • Resiliency Planning foundational part • Water Resource of resilience Management technical assistance through **resilience** -Watershed Management

• Coastal Lakeshore Economy and Resiliency (CLEAR) Initiative

Planning, including NYC

Our office assists communities in planning and implementation of

principles.

projects centered on

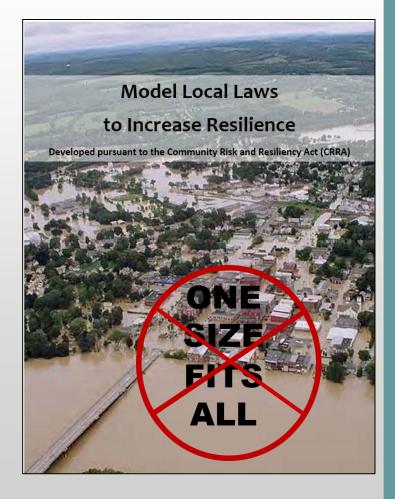
Model Local Laws: Local Implementation of CRRA Importance of local government & resiliency

Models created from:

- Existing model laws
- Good examples of current local laws
- Combining sections from various laws using professional expertise

Adapt for local use - each municipality unique and different

- Plug in sections to update existing laws OR
- Use entire model law for topics not







Go to:

http://dos.ny.gov/model-local-laws-increase-resilience-0

Each Model Local Law: Content

Title, background and purpose

-Information about the subject, benefits

-References

Usage

- Which existing local law(s) and section(s) in those laws to amend; or adopt a new law Adapted from the following source

- Municipality name; sometimes other states or programs

Local law language

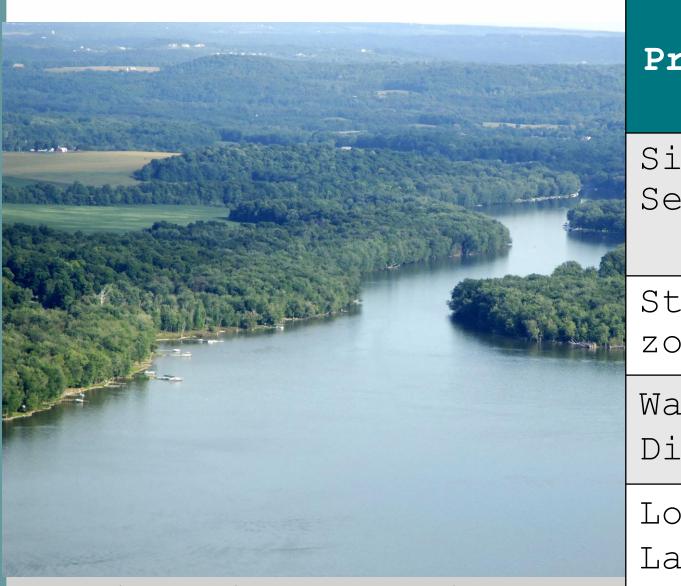
Fair Haven Beach State Park Bluffs, NYS Parks	1. Basic Land Use Tools for Resiliency - Zoning	MLLS SECTION
	Waterfront Overlay District	1.1.2
	Waterfront Bluff Overlay District (LWRP integration)	1.1.3
Erie Canal, PBS.org (archived) Erie: The Canal that made America	Minimum Lot Size Maximum Lot Coverage	1.2.1 1.2.3

Example Cluster Development Randall Arendt

80268 8 662 B 6

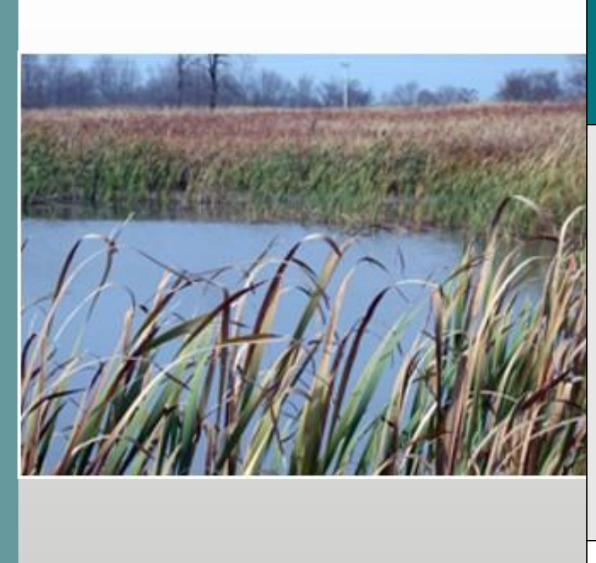
luster ent endt	1. Basic Land Use Tools: Subdivision and Open Space Development	MLLS SECTIO N
Trail System	Design Standards to Protect Natural Features	1.5.4. 1
Fields, Stream Corridor, and	Subdivision Woodlands	1.5.4. 2
Mature Woodlands Protected from Development	Cluster, open space & conservation development	1.5.6
00000000000000000000000000000000000000	Disclose environmental	157

	2. Wetland Protection Measures	MLLS SECTION
	Simple Wetland Setbacks	2.1.1
	Wetlands Buffer	2.1.2
	Wetland Conservation Overlay District	2.1.3
Montezuma National Wildlife Refuge, DayTrippingRo	Local Freshwater Wetland Law	2.1.4



2. Watercourse Protection Measures	MLLS SECTIO N
Simple Watercourse Setbacks	2.2.1
Stream-related zoning standards	2.2.2
Watercourse Overlay District	2.2.3
Local Watercourse Law	2.2.4

Seneca River, Marinas.com Seneca River Inlet



3. Coastal Shoreline Protection Measures	MLLS SECTION
<pre>Shoreline Management Alternatives • Non-structural and Natural features • Nature-based measures • Structural measures</pre>	3.4
Special Use Permit Alternatives	3.4.1

	4. Management of Floodplain Development	MLLS SECTION
Freeboard DFE - Design Flood Elevation BFE - Base Flood Elevation	Floodplain and wetland resource conservation overlay district	4.2
S00-Foot Conservation Buffer Zone 100-Year Flood Zone Stream 100-Year Flood Zone 500-Foot Conservation Buffer Zone	Establish design flood elevation to reflect flood levels different than shown on FIRMS	4.3.2



Canandaigua Lake neighborhood

5. Green Infrastructure and Stormwater Management	MLLS SECTION
Steep slope and erosion control performance standards	5.1.2
Steep slope protection overlay district	5.1.3
Erosion and sediment control & stream corridor management provisions	5.4.3



Village of Greenwood Lake

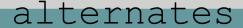
5. Green Infrastructure Stormwater Management	MLLS SECTI ON
DEC Model Stormwater	
Management &	
Erosion &	
Sediment Control Laws:	5.4.1
1.Impaired	
waters & Enhanced	
phosphorus	
removal	5.4.2
watersheds	
2 Community	

5. Green Infrastructure Stormwater Management Continued

Additional

thoughts:

- Findings & Purpose: climate change & resiliency
- Definitions: "green
 - infrastructure (GI)", "riparian buffer"
- SWPPP identify slopes >15%, 500-yr floodplains, mature forests
- Explicitly require the GI planning process
- Stormwater Management Design Manual (SWDM) riparian buffer





City of Ithaca downtown pedestrian area

Model Local Laws with resilience principles can guide development, zoning, and updates to comprehensive planning



Western Onondaga County , 8/192021(syracuse.com)

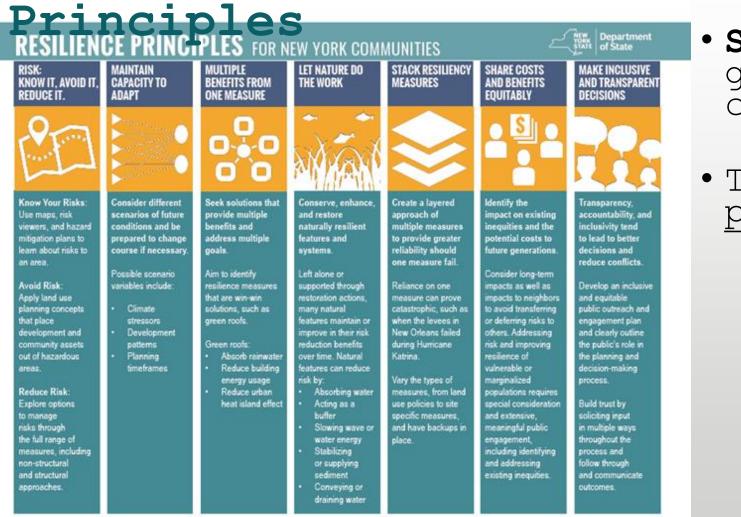


Thunderstorm captured via Skytop looking at Syracuse and Onondaga Lake, NY 7-24-2024 (cnycentral.com;)



Eden, NY post-storm 7-10-2024 (syracuse.com)

Resilience



• Seven principles that guide planning and capital projects

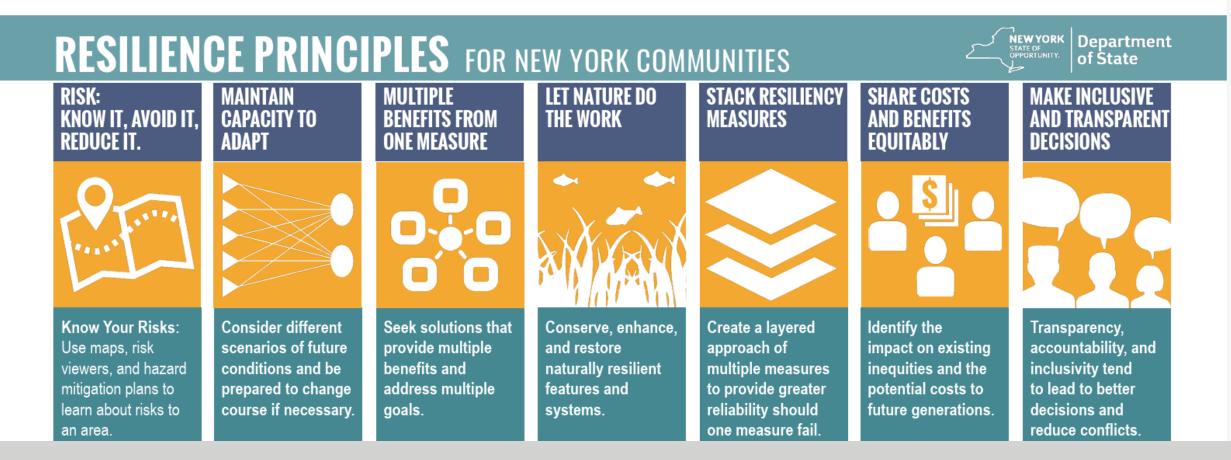
• These principles provide:

- A more *consistent approach* to climate resilience.
- Communities can interpret and apply principles according to their unique context.
- A foundational

Go to: https://dos.ny.gov/resilience-planning

an end point

Seven Resilience Principles – Scaled in



Go to: https://dos.ny.gov/resilience-planning

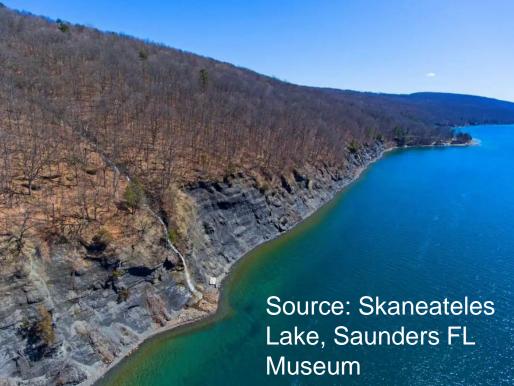
Model Local Law Implementation Example

2. Wetland and Watercourse Protection Measures

Simple Watercourse Setbacks <u>A level of watercourse protection through setback</u> Pappigement zoning.

- Deter development in certain districts to close to the waterbody and considers environmental sensitive areas.
- Allows amendments to zoning laws to include definitions





MLLS SECTION

Step 1 - Amend Zoning Law

A. Identify zoning district(s) where waterbody setback activities could be regulated using Definition: "The area of any lot For located between the side lot example: lines, the lake line, and a line located 50 100 fact anabara from Proposed the lake LAKESHORE RIPARIAN WOODLAND or RIPARIAN CORRIDOR RIVER SETBACK LAKE, WETLAND, ESTUARY, LAGOON OR NATURAL BODY OF STANDING WATER ZONE

Step 1 - Amend

Zoning Law

- B. Amend the Usage table in specific districts by adding
 - Shoreline management measures installation o restoration
 - Note it is a use permitted by Special Use Permit

Text of Proposed Local Law.

I. Chapter 225 ("Zoning"), Article II ("Word Usage and Definitions"), Section 225-4 ("Definitions"), is hereby amended to read as follows: (changes highlighted):

"LAKESHORE SETBACK ZONE — The area of any lot located between the side lot lines, the lake line, and a line located 50-100 feet onshore from the lake line."

II. Chapter 225 ("Zoning"), Article VI ("Overzone Regulations"), Section 225-20 ("Skaneateles Lakeshore Development Regulations"), is hereby amended to read as follows: (changes highlighted):

- "B. Boundaries. This section shall apply to all land within the Village of Skaneateles lying within 50 100 feet of the lake line.
- C. Permit requirements.
 - Any activity requiring a building permit pursuant to § 76-11 of the Municipal Code of the Village of Skaneateles proposed within 50 100 feet of the lake line, and any change of grade covering an area greater than 500 square feet proposed within 50 100 feet of the lake line, shall require a site plan approval from the Planning Board.
- Lakeshore setback zone. No structure shall be built or expanded within 50-100 feet of the lake line, except the following, subject to the restrictions and conditions in Subsection E below:

Skaneateles Lake, Municipality's proposed law ex

Step 1 - Amend Zoning

Law

C. Other Amend definitions section to incorporate:

- Nature based features (NBF)
- Non-structural shoreline management measures
- Structural shoreline management measures





Skaneateles Lake, Town of Skaneateles



Oneida Lake, BassOnline Explore Oneid Website

Continued:

C. Amend definitions section

NATURE-BASED FEATURES (NBF): Shoreline management techniques incorporating living material and natural substrate/structures, such as wood or rock, and designed to emulate the environmental services provided by natural features and processes. NBF provide services such as erosion and storm water management, and flood risk reduction, as well as secondary benefits such as water quality improvement, natural habitat, improved esthetics and carbon sequestration. NBF are created by human design to reduce natural hazard risks while replicating and/or

Continued:

C. Amend definitions section

NON-STRUCTURAL SHORELINE MANAGEMENT MEASURES:

Shoreline management measures that conserve or restore natural features and adapt development to dynamic natural processes to achieve risk-reduction as well as multiple co-benefits. Non-structural shoreline management measures include elevating, flood-proofing or relocating development.

Continued:

C. Amend definitions section

STRUCTURAL SHORELINE MANAGEMENT MEASURES: Shoreline management measures consisting of material designed and placed on or near the shoreline for the purpose of resisting erosion and/or flooding. These structures are typically placed vertical or perpendicular to a shoreline. Structural shoreline management often incorporates manmade material such as concrete, steel, aluminum, vinyl and pressuretreated wood, but may also employ stone or large tree trunks.

Groins, jetties, breakwaters, bulkheads, seawalls,

Step 1 - Amend Zoning Law

D. Amend Special Use Permit provisions: Application for a shoreline management permit shall include:

"(5) Documentation in the form of a narrative with visual and analytic support of all the alternatives required in subparagraph (c), below, including:

- (a) Project purpose
- (b) Project-specific objectives

(c) A clearly articulated range of alternative designs and sites and the ways in which they affect natural features, water quality, and erosion/flood control, including:

(5) (c):

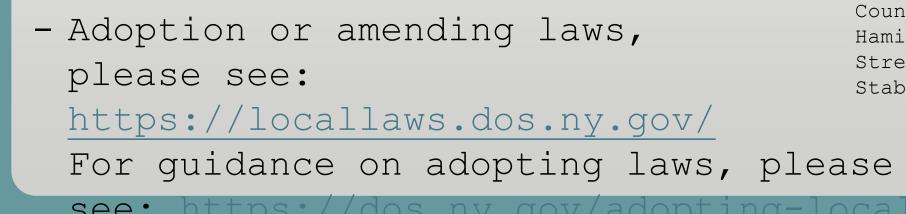
[i] No action;

[ii] Natural feature(s) conservation or other nonstructural measure(s), and if appropriate, restoration of natural features, provided the applicant demonstrates the no action alternative insufficiently addresses flood or erosion risks; [iii] Nature-based feature measure(s), provided the applicant demonstrates the no action or natural feature alternatives insufficiently address flood or erosion risks; and

[iv] **Structural measure(s)**, provided the applicant demonstrates the no action, natural feature, and nature-based feature alternatives insufficiently

Step 2 - Amend Zoning Law and Fee Schedule

- Add provision in the zoning law for an engineering review f to be established by the City Council, Town Board, or Village Board of Trustees





Residential home, Hamilton County, Hamiltoncountyswcd.org Streambank & Shoreline Stabilization Project.



Baldwinsville homeowner property 2023, Syracu

New York Department of State

Office of Planning, <u>https:/</u> Development <u>waterfre</u> & Community Infrastructure <u>Program</u>

Resilience Planning Program Local Waterfront Revitalization Program

(518) 474-6000

Email: OPD@dos.ny.gov

https://dos.ny.gov/resilience-

https://dos.ny.gov/localwaterfront-revitalizationprogram

Division of Local Government Services (518) 473-3355 Email: localgov@dos.ny.gov https:/Questions? assistance



Department of State Planning, Development & Community Infrastructure