



Department of
Environmental
Conservation

Resilient NY & the Resilient Watersheds Grant Program

NYS Department of Environmental Conservation (DEC)
NYS Environmental Facilities Corporation (EFC)

AGENDA

- Resilient NY Program
- Resilient Watersheds Grant (RWG)
- Eligibility
- Funding
- FAQs
- Contact Information

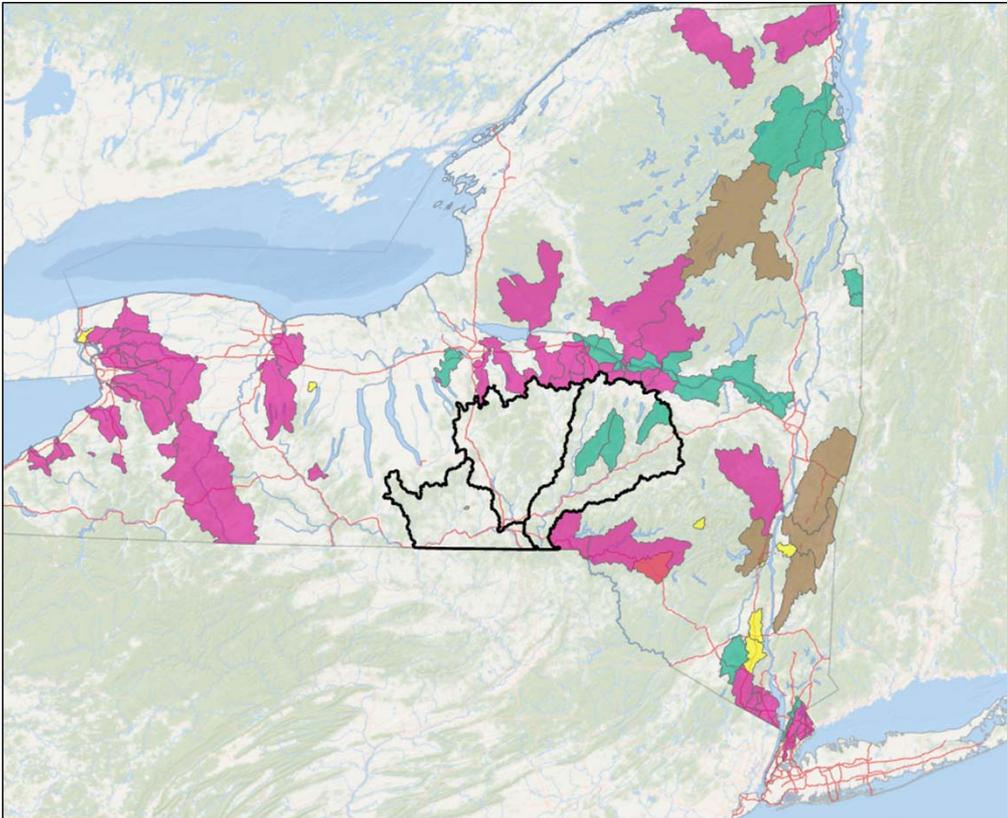




RESILIENT NY PROGRAM



RESILIENT NY PROGRAM

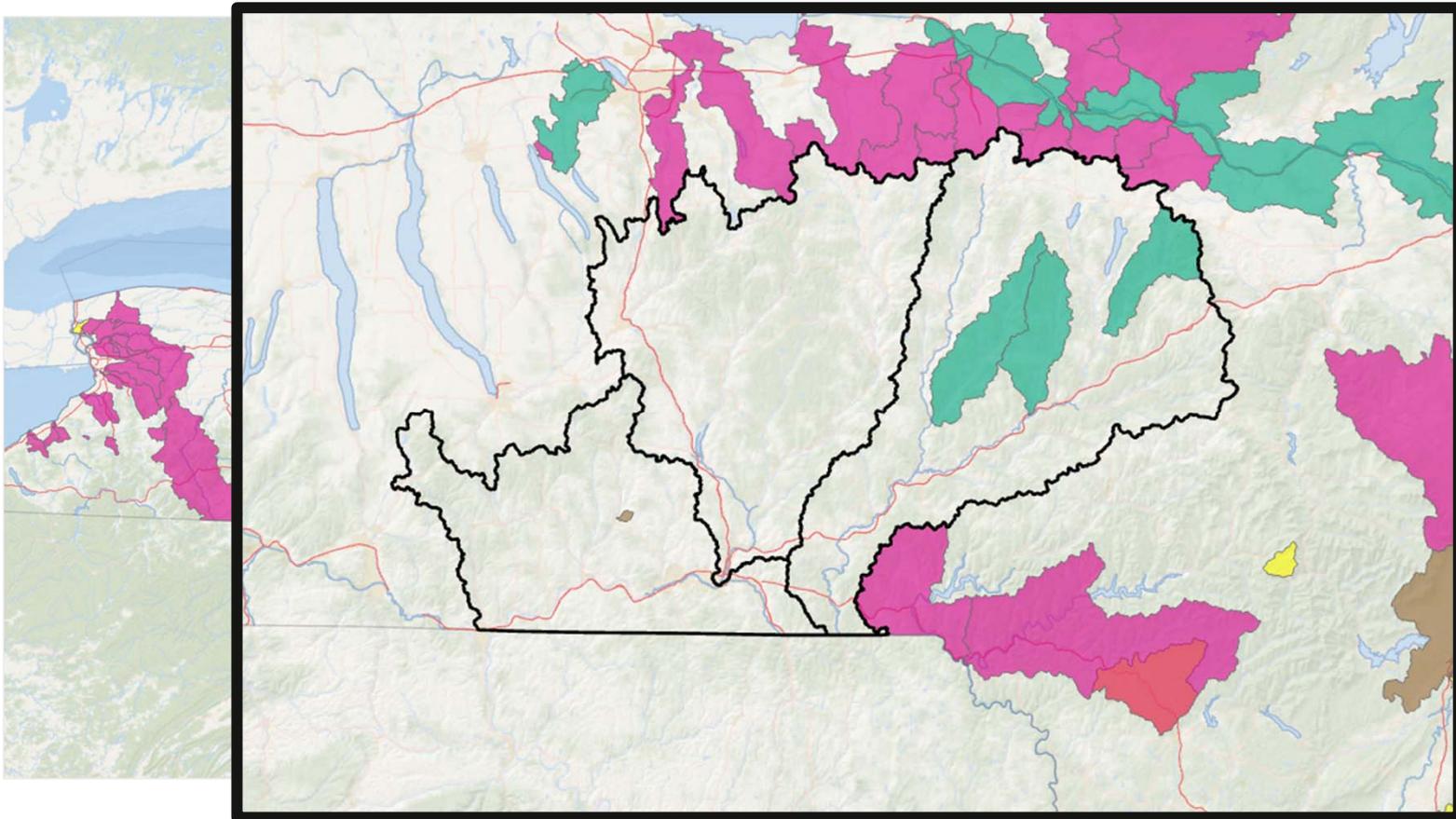


- Established in November 2018
- 59 **published** reports
- 18 studies **underway** or **upcoming**.
- **Still growing**: Resilient NY will be conducting new studies in watersheds not yet identified.

Website:

<https://dec.ny.gov/environmental-protection/water/water-quantity/resilient-ny>

RESILIENT NY PROGRAM



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SERVATION

RESILIENT NY PROGRAM

A collaboration between **NYSDEC** and **NYSOGS** with engineering consultants to:

- help communities be more resilient to future floods in the face of climate change.
- focus on high impact, flood-prone streams and rivers.
- create a Flood Mitigation & Resilience Report for each watershed.
- provide recommendations to reduce flood risks and improve riparian ecology.
- make grant funding more easily accessible and guide implementation.



RESILIENT NY STUDIES

Identify problem areas and guide solutions.

Accounts for future flows brought about by **climate change** and provides a **professional estimate** of flood impacts in three scenarios:

- Existing conditions
- Future conditions with no action
- Future conditions with proposed project implemented

To “clear the path” to securing grants... These final, P.E.-stamped Flood Mitigation & Resilience Reports are **sufficient for grant applications**.

- No additional engineering or pre-planning needed

UNDERSTANDING THE DATA

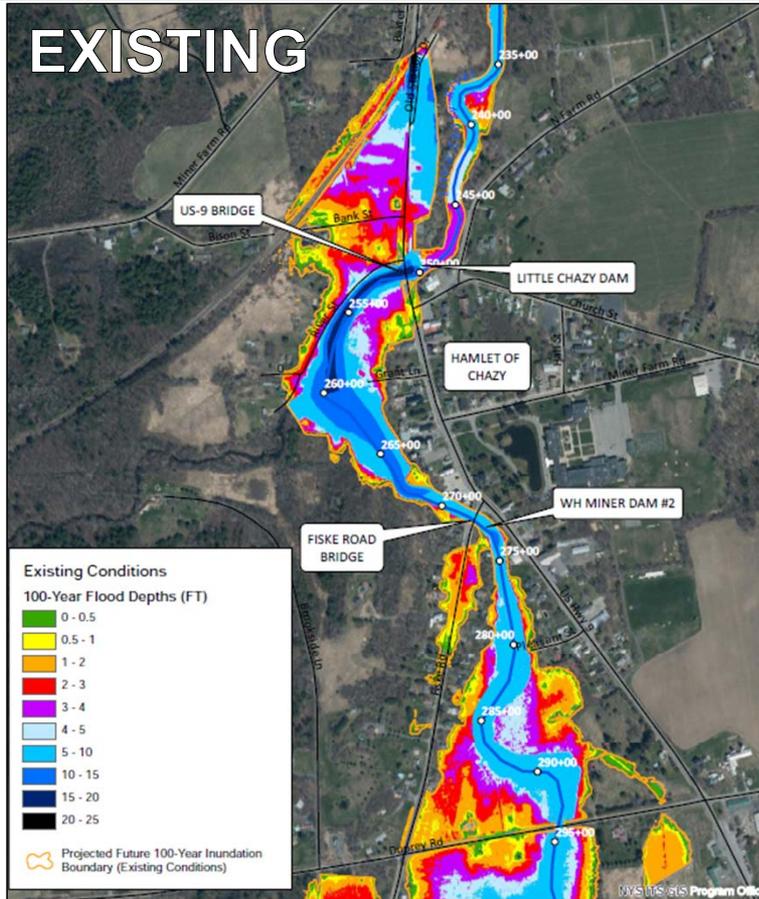
An “**X-year flood**” refers to the flow rate with a probability of occurring in any given year, not within an overarching timeframe.

- 10-Year Flood = 1 in 10 chance each year (10%)
- 100-Year Flood = 1 in 100 chance each year (1%)
- 500-Year Flood = 1 in 500 chance each year (0.2%)

USGS data is used to estimate changes in peak-flood flows that may occur in the future as climate change progresses.

- i.e. greenhouse gasses, precipitation, runoff, etc.

EXISTING



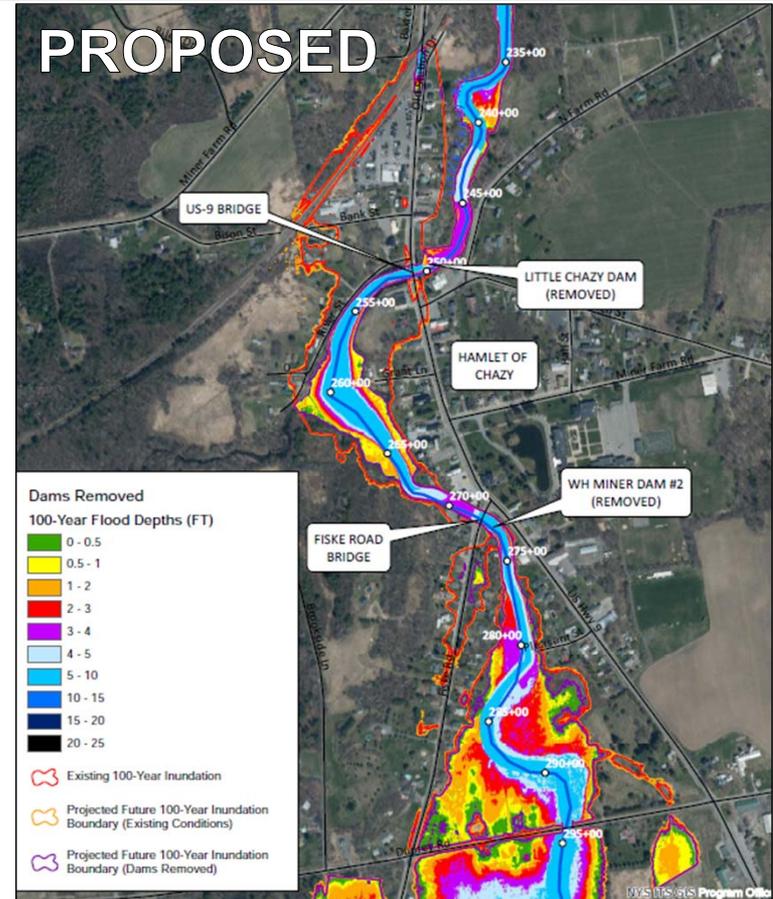
SLR
 231 MAIN STREET
 SUITE 102
 NEW PALTZ, NY 12561

HRA #1 - EXISTING CONDITIONS 100-YEAR FLOOD
 LITTLE CHAZY RIVER FLOOD & ICE JAM STUDY
 SD122
 CLINTON COUNTY
 NEW YORK

SCALE 1" = 600'
 DATE 1/21/2022
 PROJ. NO. 16511.00012

FIG. 4-10

PROPOSED



SLR
 231 MAIN STREET
 SUITE 102
 NEW PALTZ, NY 12561

HRA #1 - DAMS REMOVED - 100-YEAR FLOOD
 LITTLE CHAZY RIVER FLOOD & ICE JAM STUDY
 SD122
 CLINTON COUNTY
 NEW YORK

SCALE 1" = 600'
 DATE 1/21/2022
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FIG. 4-11

JUSTIFIED PROJECT TYPES

Dam removal and/or modification

Bridge and culvert replacement and/or removal

Road removal and/or relocation

Levee, dike, berm construction and/or enhancement

Floodplain creation, enhancement, and/or reconnection

- i.e. wetlands, pools, ponds (floodwater storage), flood benches and/ or repair of high banks

Property buyout and/or relocation (FEMA repetitive losses)

Stream channel restoration, widening, and/or lowering

Debris and sediment management



Complexity vs.
Level of Impact

JUSTIFIED PROJECT TYPES

Dam removal and/or modification

Bridge and culvert replacement and/or removal

Road removal and/or relocation

Ecosystem-based adaptations

Floodplain creation, enhancement, and/or reconnection

- i.e. wetlands, pools, ponds (floodwater storage), flood benches and/ or repair of high banks

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Complexity vs.
Level of Impact

ECOSYSTEM-BASED ADAPTATIONS

Require **less maintenance** over time than grey infrastructure.

Use the abilities of nature to:

- Filter out pollution/ sediments by allowing water to drain.
- Provide green space (recreation, wildlife habitat, cooling).
- Restore and revegetate stream channels and banks.
- Avoid overflowing sewers by reducing run-off.
- Adapt to future conditions from climate change.
- Reduce erosion by slowing down flow.
- Reduce flooding by storing floodwater.



RESILIENT WATERSHEDS GRANT

Butternut Creek

RESILIENT WATERSHEDS GRANT

A competitive, statewide grant program administered by **NYSEFC** in collaboration with **NYSDEC**.

- Provides funding to implement flood mitigation projects that are **identified and recommended** in a Resilient NY flood study or DEC-approved comparable flood study.
- Utilizes **Environmental Bond Act** funding - at least \$45 million
- **Minimum grant amount:** \$150,000
- **Maximum grant amount:** \$10,000,000
- **Required local match:** 10% of requested grant amount
- **Cost reimbursements:** will be made by EFC on a cost-incurred basis

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ELIGIBILITY

Mamaroneck River

ELIGIBILITY

Eligible Entities

- Local governments
- Indian Nations
- Soil and Water Conservation Districts
- Not-for-profit corporations (such as Land Trusts)
- State agencies



Applicants must possess a **Resilient NY** report or a DEC-approved **comparable flood study** by the time funding is awarded.

ELIGIBILITY

Eligible Projects

1. Floodplain restoration, creation, and/or reconnection to stream
2. Wetland creation and/or restoration
3. Berm removal
4. Dam removal
5. Stream culvert replacement right-sizing
6. Culvert, bridge, and appurtenant structures (e.g., legacy abutments, approaches and/or piers, etc.) removal
7. Streambank, stream channel, or shoreline restoration and/or stabilization and establishment of riparian buffers
8. Stream daylighting



DEC-APPROVED COMPARABLE STUDIES

Comparable Flood Studies:

- **HEC-RAS hydraulic modeling** or comparable hydraulic analysis that evaluates the effectiveness of the project(s) in reducing water surface elevations **within the watershed**.
- Incorporate **future flows, storm surge and/or sea level rise** anticipated from climate change as part of the hydrologic and hydraulic analysis.
- Prepared by a **NYS licensed professional engineer**.
- Flood studies must have been completed within the last **15 years**.



FUNDING

ELIGIBLE COSTS

- **Contractual costs** (construction, equipment, supplies/materials);
- **Construction inspection** (on-site activities typically performed by a licensed professional engineer, e.g., inspection of methods and materials). May not exceed 10% of total award amount;
- **Planning, design, administrative, and construction oversight costs** (administrative costs must be directly related to implementing the project). Total may not exceed 20% of award amount;
- **Salary and fringe** benefits are eligible as **local match**; and
- **Acquisition of land**, including structures from willing sellers and their removal, which are **necessary to complete eligible flood mitigation projects**. Additional costs include title reports and insurance, property surveys, appraisals, certified appraisal reviews, title curatives, filing fees or other EFC/DEC approved closing costs, and more.

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Please review the Program Overview for more information on costs and land acquisition.

REQUIRED MATCH

- **10% of requested funds**
- Only eligible RWG costs/activities may be used for the match.
- Applications that do not show sufficient match will have their potential award amounts decreased accordingly.
- Match consists of cash contributions and in-kind services for the project and must come from a local source. Federal grants/funding may also be used as a local match.

Match Formula: Requested Award Amount X Required Match Percentage = Required Match Amount



FAQs

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Where can I find more information about the Resilient NY Program?

For more information on the Resilient NY program, please visit [Flood Recovery And Resilience - NYSDEC](#).

Can an applicant submit more than one RWG Program application?

Yes. Eligible applicants may submit up to **two applications** per round of RWG funding, with a maximum of **three distinct projects** per application. If multiple projects are submitted, the applicant should clearly rank or prioritize project implementation within the application whenever possible.

FAQs

Applicants can apply for up to three distinct projects per funding application. What is considered a distinct project?

A distinct project is considered an **individual** project, such as replacing an individual undersized culvert. If interested in replacing multiple culverts, an applicant can include up to three culvert replacements per application.

More complex projects, such as dam removals, often involve several project components beyond just removing the dam structure (streambank stabilization and/or establishing riparian buffers within previously inundated areas). Streambank stabilization and riparian buffer plantings are integral components to the dam removal project. They are necessary to ensure a successful project and, therefore, would be considered a component of the individual flood mitigation project.



NEXT STEPS

NEXT STEPS

Be on the lookout for our next application period!

We are anticipating a February 2026 release date.

RWG is part of the Consolidated Funding Application (CFA).

Email or call the Resilient NY Team with any questions or visit our website to learn more [Flood Recovery And Resilience - NYSDEC](#)

THANK YOU



Contact the team: ResilientNY@dec.ny.gov

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