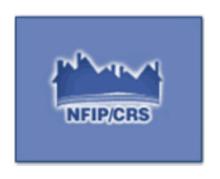


What is the Community Rating System (CRS)?



A **voluntary** incentive-based program that rewards communities for exceeding the minimum standards of the National Flood Insurance Program (NFIP) to help residents prevent or reduce flood losses.

Goals:

- 1. Reduce and avoid flood damage to insurable property
- 2. Strengthen and support the insurance aspects of the NFIP
- 3. Foster comprehensive floodplain management



What is the Community Rating System (CRS)?

Credit points are awarded for engaging in any of 19 activities, organized under four categories:

- Public Information
- Mapping and Regulations
- Flood Damage Reduction
- Warning and Response

Numerous elements and subelements are found under each of the 19 activities





How is CRS Aligned with Resilience?

- The entry process tests and builds municipal communication, thus building capacity
- Participation enhances public and community strengths in preparing for, withstanding, recovering from, and adapting to floods
- CRS performance metrics help assess flood resilience annually
- Let's look at the CRS activities one by one and comment on the potential for increasing flood resilience:
 - ✓ A: High potential
 - ✓ B: Good potential
 - ✓ C: Moderate potential
 - ✓ D: Not necessarily applicable





How is CRS Aligned with Resilience?

Series	Activities	Resilience Grade	Why?		
300	PUBLIC INFORMATION ACTIVITIES				
310	Elevation Certificates	В	An accurate read of an EC will drive compliance		
320	Map Information Services	В	Providing risk information helps residents and businesses		
330	Outreach Projects	Α	Targeted outreach helps residents and businesses		
340	Hazard Disclosures	Α	Disclosure during transactions reduces surprises		
350	Flood Protection Information	Α	Providing information directly will help property owners		
360	Flood Protection Assistance	Α	Providing information directly will help property owners		
370	Flood Insurance Promotion	C	Insurance can help recovery from floods		
400	MAPPING AND REGULATIONS				
410	Floodplain Mapping	D	Category not typically used in Connecticut		
420	Open Space Preservation	C	Tends to be a static measure unless towns are acquiring		
430	Higher Regulatory Standards	Α	Directly increases ability to withstand floods		
440	Flood Data Maintenance	C	Helps developers and property owners access information		
450	Stormwater Management	Α	Stringent regulations may reduce localized flooding		
500	FLOOD DAMAGE REDUCTION				
510	Floodplain Management Planning	В	Hazard mitigation plans help communities understand risks		
520	Acquisition and Relocation	Α	Directly removes people and property from flood risks		
530	Flood Protection	Α	Directly increases ability to withstand floods		
540	Drainage System Maintenance	C	Category not well-aligned with Connecticut but can help		
600	WARNING AND RESPONSE				
610	Flood Warning and Response	А	Directly helps with preparing, withstanding, and recovery		
620	Levees	C	Category not typically used in Connecticut		
630	Dams	Α	Seldom-used category with potential for more usage		



Review of Current Usage 300 Series Public Information

Activity		Resilience Grade	Points Available	Town 1 Class 9	Town 2 Class 8	Town 3 Class 7
310	Elevation Certificates	В	162	38	38	38
320	Map Information Service	В	140	70		90
330	Outreach Projects	А	315	33	78	130
340	Hazard Disclosure	Α	81	10	10	18
350	Flood Protection Information	Α	102	11	23	48
360	Flood Protection Assistance	Α	71			
370	Flood Insurance Promotion	С	65			

Review of Current Usage 400 Series Flood Damage Reduction

Activity	Resilience Grade	Points Available	Town 1 Class 9	Town 2 Class 8	Town 3 Class 7
410 Floodplain Mapping	D	1,346			-:-
420 Open Space Preservation	С	900	435	232	282
430 Higher Regulatory Standards	Α	2,740	21	181	299
440 Flood Data Maintenance	С	239	100	114	134
450 Stormwater Management	А	670	50	54	112



Review of Current Usage 500 Series Public Information

Activity	Resilience Grade	Points Available	Town 1 Class 9	Town 2 Class 8	Town 3 Class 7
510 Floodplain Mgmt. Planning	В	359	181	205	195
520 Acquisition and Relocation	А	3,200			
530 Flood Protection	А	2,800			
540 Drainage System Maintenance	С	430			



Review of Current Usage 600 Series Warning and Response

Activity	Resilience Grade	Points Available	Town 1 Class 9	Town 2 Class 8	Town 3 Class 7
610 Flood Warning & Response	Α	255			253
620 Levees	С	900			
630 Dams	А	175		42	22



How Were Participants Selected?

- Conduct case study of RiverCOG communities to see how many points open space would provide
- 2. Conduct individual community assistance with the following goals:
 - Geographic spread across Connecticut
 - Riverine and coastal flood risk areas
 - Help at least one community enter program
 - Help at least one community improve its score
 - Continue assistance for one of the communities that participated in the SCCOG-funded effort
 - Find points in the categories with good resilience grades!



RiverCOG



What We Did

- Utilized CRS method and identified categories like NFOS
- Delivered to towns for review using ArcGIS Online



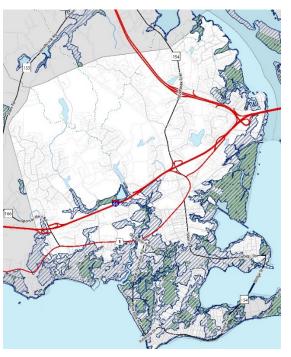
Lessons Learned

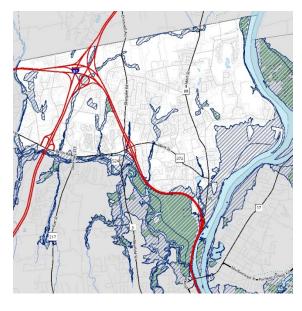
- Open space can help a community gain 250 to 1,300 points
- With other categories pursued, CRS class could be 7 to 9



- Open space in flood zones will reduce community risks
- Tallying open space leads to more critical thinking about it







420 "Open Space Mapping"



Stratford



What We Did

- Prepared open space mapping and other maps
- Developed a flood information brochure



Lessons Learned

- Extra effort with open space mapping helps gain points
- Timing is critical this was during the verification phase



- Open space in flood zones will reduce community risks
- Flood information brochure helps educate residents

Guilford



What We Did

- Prepared dam failure inundation map and descriptions
- Submitted materials to Town for future use



Lessons Learned

- Compare ISO verification letter to others in the State
- Look for categories where points should be available



- Increased awareness of dam-related risks is beneficial
- Annual recertification will ensure future consideration

Newtown



What We Did

- Prepared open space mapping
- Submitted materials to Town for future use



Lessons Learned

- Compare ISO verification letter to others in the State
- Look for categories where points should be available



- Open space in flood zones will reduce community risks
- Tallying open space leads to more critical thinking about it

Norwich



What We Did

- Provided assistance across all categories
- Urged community to apply for seldom-used categories

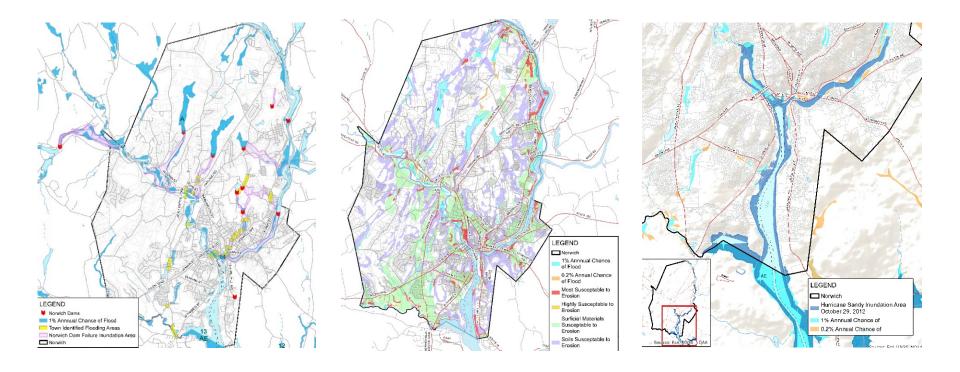


Lessons Learned

- Aim high!
- Know when to say "that's enough"



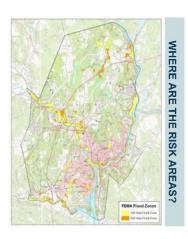
- Points for acquisitions generated interest in doing more
- CRS entry process tightened up internal communications



320 "Map Information"



Flood Brochure



- The yellow and orange areas on the map above show areas with highest flood risk. Flood risk maps can be viewed on the City of Norwich web site.
- As of 2018, Connecticut has 37,322 active flood insurance policies.
- Norwich has 266 active flood insurance policies with a combined coverage of \$43 million. A total of 208 flood losses have been paid in Norwich.
- Areas of Norwich downstream of dams may have additional risks associated with dams. These generally occur in some of the yellow and orange areas above. Contact the City to learn about specific locations.

Before a Flood

Build Smart

- Builders should obtain appropriate permits and comply with flood requirements and regulations.
- Elevate your home or business to the required level to reduce flood damage.

Know Your Flood or Dam Hazard Risks

- Understand Flood Insurance Ra Sea Level Rise; and Sea, Lake, Overland Surges from Hurricane maps. https://msc.fema.gov/po
- Learn if your property is in a floo downstream of a dam.

Protect What Matters

- Purchase flood insurance for you business, or contents insurance
- Contact the Norwich Emergency Management Department to lear live downstream of a dam.
- Develop an evacuation plan and safe meeting place in case an evalue to potential flood or dam faile
- Prepare a safety kit with a radio, flashlights, blankets, drinking wa canned food, and a first aid kit.

How do floods occu

Flooding in Norwich can come from many places. Snowmelt runoff combined

floods can develop rapidly as a result of heavy rainfall that the ground can

levels rising from heavy rains and runoff, or in tidally influe

During a Flood

Safety at Home or on the Road

- Stay away from flooded areas or areas with rapid water flow. Never attempt to cross a flowing stream.
- Never drive through floodwaters. Roads may be damaged or moving water could cause your vehicle to float away.

Resources

Visit <u>www.floodsmart.gov</u> to assess your flood risk, find an insurance agent, or to view flood maps. Call 1-800-427-2417 for more information

Visit the NFIP website for resources and answers to common questions

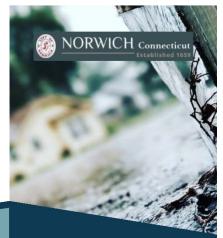
https://www.fema.gov/nationalflood-insurance-program

The National Weather Service provides tips and resources for flood safety <u>www.weather.gov/safety/flood</u>

The Otis Library has a number of publications about floods and flood insurance. Ask for help at the desk.

Did you know that Norwich is a **StormReady** community? Learn more

www.norwichct.org/190/Emergency-Management







Flood Insurance

The National Flood Insurance Program (NFIP) provides Norwich property owners, businesses, and renters with insurance options depending on their risk.

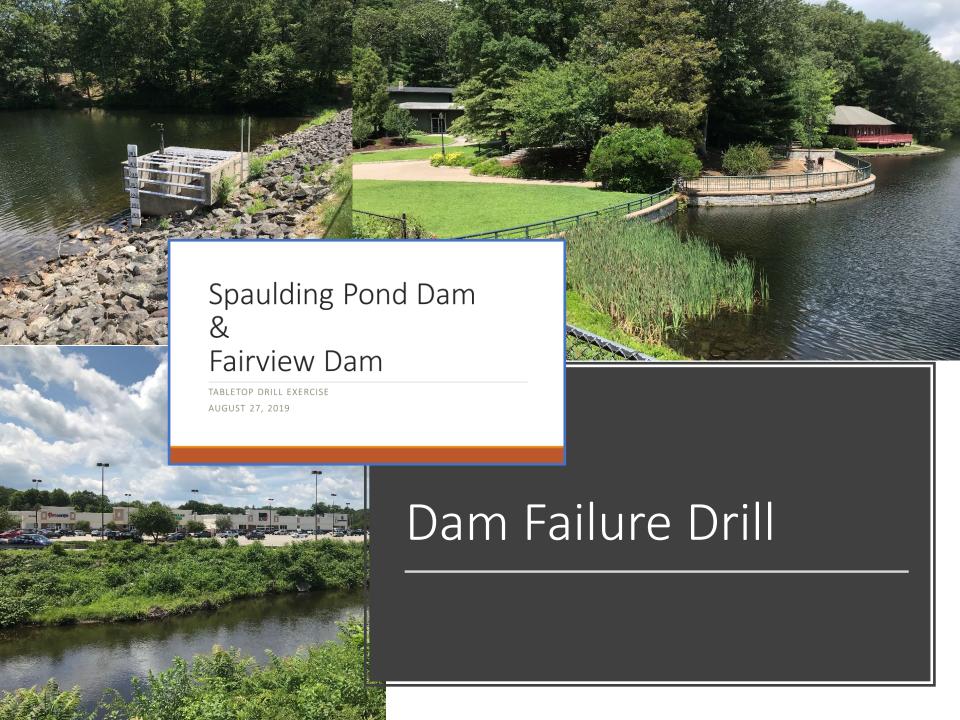
In a flood zone? If you own property in the Special Flood Hazard Area (SFHA) you are required to purchase flood insurance if the mortgage is from a federal lender. Renters and business owners can also purchase flood insurance.

Not in a flood zone? While you are not required to carry flood insurance, property owners and renters should ask their agent if they are eligible for a Preferred Risk Policy.

More than 20% of flood insurance claims are filed by people outside of the SFHA







CRS and Resilience – A Great Team!

- CRS maintenance will provide a consistent elevated level of resilience as compared to a non-CRS community
- Financial incentives of lower insurance may increase resilience
- Higher resilience will then lead to higher CRS ratings upon program review

