

Monroe County, NY Hazard Mitigation Plan (HMP) Community Rating System Crosswalk

Attached is a plan review crosswalk based on the Community Rating System (CRS) Activity 510, Floodplain Management Planning credit requirements identified in the 2013 CRS Coordinators Manual (OMB #1660-0022). This crosswalk will identify compliance with each of 10 CRS planning steps, where in the Monroe County HMP each element addressed, and credit points for each step the county will request under CRS Activity 510. This crosswalk was prepared as a documentation aid in meeting the CRS documentation requirements specified in the FIA-15/2013 version of the CRS Coordinators. Final verification of all verified credit for this activity will be based on the technical review process established by FEMA and the CRS verification procedures.

Element	Description of Credit Criteria	Location in the Plan (section#, Page # or Appendix#)	Credit Points Available	Credit points Requested
512.a.1	Step 1-Organize to Prepare the Plan (Maximum credit: 15 points). The credit for this step is the total of the following points, which are based on how the community organizes to prepare its floodplain management plan.			
512.a.1.(a)	If the office responsible for the community's land use and comprehensive Planning is actively involved in the floodplain management planning process.	Planning Department was on Steering Committee and Planning Committee; pg. 3-2	4	4
512.a.1.(b)	if the planning process is conducted through a committee composed of staff from those community departments that implement or have expertise on the activities that will be reviewed in Step 7.	Steering Committee members had expertise in all 6 areas; pg. 3-3	9	9
512.a.1.(c)	if the planning process and/or the committee are formally created or recognized by action of the community's governing body.	N/A	2	0
	The plan document must discuss how it was prepared, who was involved in the planning process, and how the public was involved during the planning process. (Required)			
512.a.2	Step 2-Involve the public (Maximum credit: 120 points).			
512.a.2.(a)	if the planning process is conducted through a planning committee that includes members of the public and meets the following criteria:	Planning Committee discussed on pgs. 3-3 through 3-5	60	
	(1) If the committee includes community staff (e.g., the planning committee credited under Step 1(b)), then at least one half of the members must be representatives of the public or stakeholders for full credit. The credit is prorated for lower levels of public or stakeholder representation. Note that 50% of the maximum credit for this planning step is a prerequisite for Class 4 or better communities and item (a) is one half of the credit for Step 2.			
	(2) It must meet a sufficient number of times to involve the members in the key steps of the planning process, i.e., it must meet the same meeting criteria specified in Step 1(b).	Met at least once for each step of the planning process. Described in Table 3-3 starting on pg. 3-6.		

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	(3) All meetings must be open to the public and the meeting schedule must be publicly posted (e.g., on a website).	Meeting announcement was posted to the County OEM website. Meetings were open to the public. Screen shot is included on page 3-16.		
	(4) If the community wants credit for participating in a multi-jurisdictional floodplain management or hazard mitigation planning committee, it must meet the criteria specified in Step 1(b).	Steering Committee members had expertise in all 6 areas; pg. 3-3		
	(5) The formalities of organizing and naming the committee are not as important as the membership and the ability for all members to participate. For example, a community may augment an existing committee with an advisory body of stakeholders. Such an arrangement would be credited, provided the stakeholders were treated as full committee members during the meetings, i.e., they can speak up, vote, and receive all the materials that regular members do.			
512.1.2.(b)	if one or more public information meetings are held in the affected area(s) within the first two months of the planning process to obtain public input on the natural hazards, problems, and possible solutions. The meetings must be held separate from the planning committee meetings credited in item (1).	Public Informational Meeting was held separately from the Planning Committee Meetings on 7/7/15; see pg. 3-6.	15	15
512.a.2.(c)	For holding one or more public meetings to obtain input on the recommended plan. The meeting(s) must be at the end of the planning process, at least two weeks before submittal of the recommended plan to the community's governing body.	Public Draft Review Meeting was held on 4/18/16. Plan was submitted for adoption by the County on 4/11/17; see pg. 3-11.	15	15
512.a.2.(d)	(maximum Credit 30 Points) 5 points, for each additional public information activity implemented to explain the planning process and encourage input to the planner or planning committee, up to a maximum of 30 points. Examples include, but are not limited to:			
	-A website that explains the planning process, posts the time and place for meetings on it, meeting agendas, status reports, and the draft plan, when it is ready for review.	www.monroecountyhmp.com , described on pg. 3-14	5	5
	-Conducting a public webcast that explains the planning process and solicits input.	N/A	5	0
	-Questionnaires asking the public for information on their natural hazards, problems, and possible solutions. A questionnaire or survey that is sent to everyone in the floodplain or everyone in the community will receive double credit (10 points).	Citizen Preparedness Survey was posted on the HMP website.	5	5
	-Outreach projects, such as those credited in Activity 330 – Outreach Projects that explain the planning effort and seek comments. These could include brochures, mailers, booths at shopping malls,	Letter sent to neighboring OEMs, planning departments; NWS; NYS DHSES; school districts;	5	5

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	presentations at civic or neighborhood organizations, etc.	soil & water authorities (see Appendix C)		
	-Other (Please describe):	Presentation at IBTS Meeting (see Appendix C)	10	10
	The planning process must include an opportunity for the public to comment on the plan during the drafting stage and prior to plan approval (REQUIRED).	Press release of the draft plan being completed and available for review and comment was distributed on 4/15/16.		
512.a.3	Step 3-Coordinate (Maximum credit: 35 points). Other agencies and organizations must be contacted to see if they are doing anything that may affect the community's program and to see if they could support the community's efforts.			
512.a.3.(a)	if the planning includes a review of existing studies, reports, and technical information and of the community's needs, goals, and plans for the area (REQUIRED).Where the information from the existing studies and reports is used in the plan, the source(s) should be referenced.	Key reference documents listed on pg. 3-18. Citations found throughout HMP.	5	5
512.a.3.(b)	<p>For coordinating with agencies and organizations outside the community's governmental structure. There is no credit for talking to other departments within the city or county government. For this credit, "coordinate" means to:</p> <ul style="list-style-type: none"> - Contact the agency or organization and keep a record of the contact (a generic announcement or notice on a website is not sufficient), - Ask for data or information related to the hazard, - Ask if the agency or organization is doing anything that might affect flooding or properties in floodprone areas, and - Offer the agency or organization an opportunity to be involved in the planning effort, such as attend a committee meeting or comment on the draft plan. <p>One point is provided for each agency or organization that is contacted. Two points are provided for meeting with the agency or organization. Such a coordination meeting must be separate from attending a planning committee meeting.</p>	"Regional and Local Stakeholders" section of Section 3, page 3-13 and 3-14. Copies of outreach found in Appendix C.	30	30
512.a.4	Step 4-Assess the hazard (Maximum credit: 35 points). The credit for this step is the total of the following points based on what the community includes in its assessment of the hazard. To receive CRS credit for this step, the assessment must include item (a). If the community wants the plan to also qualify as a FEMA multi-hazard mitigation plan, item (b) must also be completed.			

Element	Description of Credit Criteria	Location in the Plan (section#, Page # or Appendix#)	Credit Points Available	Credit points Requested
512.a.4.(a)	For including an assessment of the flood hazard in the plan. If the community is a Category B or C repetitive loss community, this step must cover all of its repetitive loss areas (REQUIRED). The assessment must include at least one of the following items:			
512.a.4.(a)	<p>(maximum Credit: 15 points) For including an assessment of the flood hazard in the plan. (REQUIRED) Flood hazard areas requiring assessment include:</p> <ul style="list-style-type: none"> - The Special Flood Hazard Area shown on the Flood Insurance Rate Map (FIRM) - Repetitive loss areas - Areas not mapped on the FIRM that have flooded in the past - Other surface flooding identified in other studies 	All shown in Section 5.4.4. SFHA shown on page 5.4.4-34. RLAs listed on page 5.4.4-50 and shown on page 5.4.4-51. No areas not mapped on the FIRM that have flooded in the past or surface flooding issues were reported.		
512.a.4.(a)(1)	For a map of the flood hazard areas. Area maps are acceptable for multijurisdictional plans.	SFHA shown on page 5.4.4-34. Jurisdiction-specific maps provided at the end of each jurisdictional annex.	5	5
512.a.4.(a)(2)	A discussion of past floods for a description of the known flood hazards, including source of water, depth of flooding, velocities, and warning time.	Section 5.4.4; pages 5.4.4-1 through 5.4.4-12.	5	2
512.a.4.(a)(3)	For a discussion of past floods.	Table 5.4.4-3 starting on pg. 5.4.4-14. Jurisdiction-specific list in each annex, in Table 9.X-2.	5	5
512.a.4.(b)	<p>For including an assessment of less frequent flood hazards in the plan. For this credit, the community must:</p> <p>(1) Identify the hazard, including</p> <p>a. Prepare an inventory of levees that would result in a flood of developed areas if they failed or were overtopped during a flood, and/or</p> <p>b. Prepare an inventory of dams that would result in a flood of developed areas if they failed, and/or</p> <p>c. Identify any of the flood-related special hazards listed in Section 401 of the CRS Coordinator’s Manual that are found in the community, and/or</p> <p>d. Identify the coastal A Zone, i.e., the area where wave heights during the 100-year flood are between 1.5 and 3 feet.</p> <p>(2) Map the areas affected</p> <p>(3) Summarize the hazard in lay terms</p>	<p>No levees in the County</p> <p>Dams included in discussion throughout Section 5.4.4.</p> <p>Land subsidence not addressed in the HMP.</p> <p>No coastal A zones.</p>	10	0

Element	Description of Credit Criteria	Location in the Plan (section#, Page # or Appendix#)	Credit Points Available	Credit points Requested
512.a.4.(c)	if the assessment identifies areas likely to flood and flood problems that are likely to get worse in the future, including (1) changes in floodplain development and demographics, (2) development in the watershed, and (3) climate change or sea level rise. The credit is prorated if the assessment does not include all three types of changes.		5	0
512.a.4.(d)	If the plan includes a description of the magnitude or severity, history, and probability of future events for other natural hazards, such as earthquakes, wildfires and tornados. The plan should include all natural hazards that affect the community. At a minimum, it should include those hazards identified by the state's hazard mitigation plan.	Sections 5.4.1 through 5.4.9	5	5
512.a.5	Step 5-Assess the problem (Maximum credit: 52 points) The credit for this step is the total of the following points, based on what is included in the assessment of the vulnerability of the community to the hazards identified in the previous hazard assessment step. To receive credit for this step, the assessment must include item (a) and must evaluate the hazard data in light of their impact on the community. Simply listing data, such as the names of the critical facilities or the number of flood insurance claims, will not suffice for credit.			
512.a.5.(a)	if the plan includes an overall summary of the jurisdiction's vulnerability to each hazard identified in the hazard assessment (Step 4) and the impact on the community. (REQUIRED)	Section 5.4.X.2 (second main section of each hazard profile included in Section 5.4).	2	2
512.a.5.(b)	25 points , if the plan includes a description of the impact that the hazards identified in the hazard assessment (Step 4) have on the following:			
512.a.5.(b)(1)	For life safety and the need for warning and evacuating residents and visitors.	Pages 5.4.4-34 through 5.4.4-38	5	5
512.a.5.(b)(2)	For public health, including health hazards to individuals from floodwaters and mold.		5	0
512.a.5.(b)(3)	For critical facilities and infrastructure.	Impact on Critical Facilities subsection, pages 5.4.4-52 through 5.4.4-54	5	5
512.a.5.(b)(4)	For the community's economy and major employers.	Impact on the Economy subsection, pages 5.4.4-54 through 5.4.4-56. Major employers included in set of critical facilities, as stated on page 4-43. Vulnerability of all critical facilities is included throughout Section 5.4.4.2.	5	5

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512.a.5.(b)(5)	for the number and types of affected buildings (e.g., residential, commercial, industrial, with or without basements, etc.). For this credit, the assessment must include an inventory of all buildings owned by the community located in floodprone areas that identifies which buildings are insured for flood damage.	Pages 5.4.4-39 through 5.4.4-43.	5	3
512.a.5.(c)	if the assessment includes a review of historical damage to buildings, including all properties that have received flood insurance claims (in addition to the repetitive loss properties) and/or an estimate of the potential damage and dollar losses to vulnerable structures, including damage from mold and other flood-related hazards..		5	0
512.a.5.(d)	if the assessment describes areas within the floodplain that provide natural functions, such as wetlands, riparian areas, sensitive areas, and habitat for rare or endangered species.		5	0
512.a.5.(e)	If the assessment includes a description of development, redevelopment, and population trends and a discussion of what the future brings for development and redevelopment in the community, the watershed, and natural resource areas.	Future Growth and Development subsection of Section 5.4.4; table of new development in each jurisdictional annex in Section 9	7	7
512.a.5.(f)	If the assessment includes a description of the impact of the future flooding conditions described in Step 4(c) on people, property, and natural floodplain functions.	Climate Change Impacts subsection, pages 5.4.4-31 through 5.4.4-32; Effect of Climate Change on Vulnerability subsection, page 5.4.4-56.	8	4
512.a.6	Step 6-Set goals (Maximum credit: 2 points). The two credit points for this step are provided if the plan includes a statement of the goals of the community's floodplain management or hazard mitigation program. (REQUIRED)	Page 6-3	2	2
512.a.7	Step 7-Review possible activities (Maximum credit: 35 points) The plan must describe those activities that were considered and note why they were or were not recommended (e.g., they were not cost-effective or they did not support the community's goals). (REQUIRED) The credit for this step is the total of the following points based on which floodplain management or hazard mitigation activities are reviewed in the plan.			

Element	Description of Credit Criteria	Location in the Plan (section#, Page # or Appendix#)	Credit Points Available	Credit points Requested
512.a.7.(a)	If the plan reviews preventive activities, such as zoning, stormwater management regulations, building codes, subdivision ordinances, and preservation of open space and the effectiveness of current regulatory and preventive standards and programs. (REQUIRED) For this credit, the review must include a discussion of the community's <ul style="list-style-type: none"> - Comprehensive or land use plan - Building code - Zoning ordinance - Floodplain management regulations - Subdivision ordinance - Stormwater management regulations. 	Countywide and jurisdiction-specific regulatory standards are reviewed in the jurisdictional annexes in Section 9.	5	5
512.a.7.(b)	If the plan reviews whether the community's floodplain management regulatory standards are sufficient for current and future conditions, as discussed under Steps 4(c) and 5(f).	Countywide and jurisdiction-specific regulatory standards are reviewed, and relevant mitigation actions are included, in the jurisdictional annexes in Section 9.	5	5
512.a.7.(c)	if the plan reviews property protection activities, such as acquisition, retrofitting, and flood insurance;	Countywide and jurisdiction-specific property protection activities are provided in the jurisdictional annexes in Section 9.	5	5
512.a.7.(d)	if the plan reviews activities to protect the natural and beneficial functions of the floodplain, such as wetlands protection;	Countywide and jurisdiction-specific floodplain protection activities are provided in the jurisdictional annexes in Section 9.	5	5
512.a.7.(e)	if the plan reviews emergency services activities, such as warning and sandbagging;	Countywide and jurisdiction-specific emergency services activities are provided in the jurisdictional annexes in Section 9.	5	5
512.a.7.(f)	if the plan reviews structural projects, such as levees, reservoirs and channel modifications; and	Countywide and jurisdiction-specific structural project activities are provided in the jurisdictional annexes in Section 9.	5	5
512.a.7.(g)	If the plan reviews public information activities, such as outreach	Countywide and jurisdiction-	5	5

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	projects and environmental education programs.	specific public information activities are provided in the jurisdictional annexes in Section 9.		
512.a.8	Step 8-Draft an action plan (Maximum credit: 60 points). The action plan specifies those activities appropriate to the community's resources, hazards, and vulnerable properties. For each recommendation, the action plan must identify who does what, when it will be done, and how it will be financed. The actions must be prioritized and include a review of the benefits of the proposed projects and their associated costs. (REQUIRED)			
512.a.8.(a)	45 points , depending on how many categories are covered by the action items:			
512.a.8.(a)(1)	if the action plan includes flood-related recommendations for activities from two of the six categories credited in Step 7, OR	Countywide and jurisdiction-specific activities from all six categories are provided in the jurisdictional annexes in Section 9.	10	
512.a.8.(a)(2)	if the action plan includes flood-related recommendations for activities from three of the six categories credited in Step 7, OR	Countywide and jurisdiction-specific activities from all six categories are provided in the jurisdictional annexes in Section 9.	20	
512.a.8.(a)(3)	if the action plan includes flood-related recommendations for activities from four of the six categories credited in Step 7, OR	Countywide and jurisdiction-specific activities from all six categories are provided in the jurisdictional annexes in Section 9.	30	
512.a.8.(a)(4)	if the action plan includes flood-related recommendations for activities from five of the six categories credited in Step 7.	Countywide and jurisdiction-specific activities from all six categories are provided in the jurisdictional annexes in Section 9.	45	45
512.a.8.(b)	Additional points are provided if the action plan establishes or revises post-disaster redevelopment and mitigation policies and procedures. These policies and procedures should account for the expected damage from a base flood or other disaster. For example, the action plan should identify the areas likely to be worst hit and the policies should determine whether they will be rebuilt if substantially damaged. Post-disaster mitigation procedures should assign responsibilities for public information, code enforcement, planning, and other efforts that	N/A	10	0

Element	Description of Credit Criteria	Location in the Plan (section#, Page # or Appendix#)	Credit Points Available	Credit points Requested
	encourage, mandate, and/or fund loss reduction activities.			
512.a.8.(c)	Additional points are provided if the plan includes action items (other than public information activities) to mitigate the effects of the other natural hazards identified in the hazard assessment (Step 4, item (b)).	Countywide and jurisdiction-specific activities addressing other hazards are provided in the jurisdictional annexes in Section 9.	5	5
512.a.9	Step 9-Adopt the plan (Maximum credit: 2 points) The 2 credit points for this step are provided if the plan and later amendments are officially adopted by the community's governing body. (REQUIRED)	Adoption process described in Section 2	2	2
512.a.10	Step 10-Implement, evaluate, and revise (Maximum credit: 26 points) The credit for this step is the total of the following points based on how the community monitors and evaluates its plan.			
512.a.10.(a)	If the community has procedures for monitoring implementation, reviewing progress, and recommending revisions to the plan in an annual evaluation report. The report must be submitted to the governing body, released to the media and made available to the public. (REQUIRED)	Page 7-5 to 7-6.	2	2
512.a.10.(b)	24 points , if the annual evaluation report is prepared by the same planning committee that prepared the plan that is credited in Step 2(a) or by a successor committee with a similar membership that was created to replace the planning committee and charged with monitoring and evaluating implementation of the plan. The points are based on how frequently the committee meets, as more frequent meetings results in more progress toward implementing the plan. The committee must continue to meet the representation, quorum, and other criteria that determined the credit points under Step 2(a).			
512.a.10.(b)(1)	If the committee meets only once a year.	Section 7.1.1, page 7-3	6	6
512.a.10.(b)(2)	If the committee meets twice a year.		12	
512.a.10.(b)(3)	If the committee meets at least quarterly.		24	
	To maintain this credit, the community must submit a copy of its annual evaluation report with its recertification each year and update the plan at least every five years.			
512.a	Impact Adjustment			
	rFMP = 1.0 if the planning covers all of the community's known flood hazard areas.			
			Total	382
				248
REPETITIVE LOSS AREA ANALYSIS (RLAA)				
512.b	RLAA			
	rRLAA = bAA/bRLA			
			Total	140
				0

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NATURAL FLOODPLAIN FUNCTIONS PLAN (NFP)				
512.c				
	NFP1- for a plan, or combination of plans, that meets credit criteria (1) and (2) and covers the entire SFHA within a community		80	0
	NFP2- for each plan that meets credit criterion (1)		15 x # of creditable plans	0
		Total	100	0
513	c510 = (FMP x rFMP) + (RLAA x rRLAA) + NFP		622	248