

LOCAL MITIGATION PLAN REVIEW TOOL – FINAL PLAN ASSESSMENT

2014- 2019 Capitol Region Natural Hazards Mitigation Plan Update -

Bolton, Canton, East Granby, East Hartford, East Windsor, Ellington, Farmington, Glastonbury, Granby, Hartford, Hebron, Manchester, Marlborough, Newington, Rocky Hill, Simsbury, Somers, South Windsor, Stafford, Suffield, Tolland, Vernon, West Hartford, Wethersfield, Windsor Locks. {Andover, Avon, Bloomfield, Enfield, and Windsor}.

The *Local Mitigation Plan Review Tool* demonstrates how the Local Mitigation Plan meets the regulation in 44 CFR §201.6 and offers States and FEMA Mitigation Planners an opportunity to provide feedback to the community.

- The Regulation Checklist provides a summary of FEMA’s evaluation of whether the Plan has addressed all requirements.
- The Plan Assessment identifies the plan’s strengths as well as documents areas for future improvement.
- The Multi-jurisdiction Summary Sheet is an optional worksheet that can be used to document how each jurisdiction met the requirements of the each Element of the Plan (Planning Process; Hazard Identification and Risk Assessment; Mitigation Strategy; Plan Review, Evaluation, and Implementation; and Plan Adoption).

The FEMA Mitigation Planner must reference this *Local Mitigation Plan Review Guide* when completing the *Local Mitigation Plan Review Tool*.

Jurisdiction(s): Communities in bold above adopted Plan.	Title of Plan: 2014-2019 Capitol Region Natural Hazards Mitigation Plan Update	Date of Plan: Sept 2014 Update? Yes: _ No: X
Type of Plan: Single or Multi		New or Update? Update
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State Reviewer: K. Michaels	Title: Environmental Analyst E-Mail: Karen.michaels@ct.gov	Date: November 2013 – December 2014
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FEMA Reviewers: Sara Reynolds Brigitte Ndikum-Nyada Barbara Ellis	Titles: STARR Community Planner JFO Community Planner	Dates: 1/20/14 3/3/14, 8/29/14, 12/02/2014,12/05/14 & 12/19/14 12/04/2014
Date Received in FEMA Region	12/6/2013, 5/16/14, 5/21/14, 6/2014, 7/2014, 8/2014, 10/31/14, 11/14/14 & 12/18/14	
Plan Not Approved	3/3/2014, 7/8/14, 7/15/14 & 7/17/14 Returned for revisions	
Plan Approvable Pending Adoption	08/29/2014	
Plan Adopted	As of 12/19/2014 , twenty-five (25) of thirty (30) participating communities in this Multi Jurisdiction NHM Plan Update have successfully adopted the Plan.	
Plan Approved	12/05/2014	

See Section 2 for Plan Strengths and Opportunities for Improvement.

SECTION 1: REGULATION CHECKLIST

INSTRUCTIONS: The Regulation Checklist must be completed by FEMA. The purpose of the Checklist is to identify the location of relevant or applicable content in the Plan by Element/sub-element and to determine if each requirement has been ‘Met’ or ‘Not Met.’ The ‘Required Revisions’ summary at the bottom of each Element must be completed by FEMA to provide a clear explanation of the revisions that are required for plan approval. Required revisions must be explained for each plan sub-element that is ‘Not Met.’ Sub-elements should be referenced in each summary by using the appropriate numbers (A1, B3, etc.), where applicable. Requirements for each Element and sub-element are described in detail in this *Plan Review Guide* in Section 4, Regulation Checklist.

1. REGULATION CHECKLIST	Location in Plan (section and/or page number)	Met	Not Met
Regulation (44 CFR 201.6 Local Mitigation Plans)			
ELEMENT A. PLANNING PROCESS			
A1. Does the Plan document the planning process, including how it was prepared and who was involved in the process for each jurisdiction? (Requirement §201.6(c)(1))	Acknowledgments: pp. 3-4; Exe Summary: pp. 18-19; Sect. V: pp. 455-458, 460; Sect. VIII: App. A, pp. A5-A148	X	
A2. Does the Plan document an opportunity for neighboring communities, local and regional agencies involved in hazard mitigation activities, agencies that have the authority to regulate development as well as other interests to be involved in the planning process? (Requirement §201.6(b)(2))	Acknowledgments: pp. 3-4; Sect. V: Table 27-pp. 457-458, pp 460-461, pp. 467-469	X	
A3. Does the Plan document how the public was involved in the planning process during the drafting stage? (Requirement §201.6(b)(1))	Sect. V: pp. 460-468	X	
A4. Does the Plan describe the review and incorporation of existing plans, studies, reports, and technical information? (Requirement §201.6(b)(3))	Executive Summary: p. 18; Sect. I: pp. 30-40; Sect. III: pp. 107-116; Sect. V: pp. 455-457; Sect. VII: pp. 481-484;	X	
A5. Is there discussion of how the community(ies) will continue public participation in the plan maintenance process? (Requirement §201.6(c)(4)(iii))	Sect. VI: p. 475, p. 478	X	
A6. Is there a description of the method and schedule for keeping the plan current (monitoring, evaluating and updating the mitigation plan within a 5-year cycle)? (Requirement §201.6(c)(4)(i))	Sect. VI: pp. 473-478	X	
ELEMENT A: REQUIRED REVISIONS:			
See Section 2 for Plan Strengths and Opportunities for Improvement.			

1. REGULATION CHECKLIST		Location in Plan (section and/or page number)	Met	Not Met
Regulation (44 CFR 201.6 Local Mitigation Plans)				
ELEMENT B. HAZARD IDENTIFICATION AND RISK ASSESSMENT				
B1. Does the Plan include a description of the type, location, and extent of all natural hazards that can affect each jurisdiction(s)? (Requirement §201.6(c)(2)(i))	Section II. Pages 43-102; Section IV: Municipal Plans: Pages 193-453 (193-194 and 199-200, 201-202 and 209-210, 211-212 and 216-217, 218-219 and 223-224, 225-226 and 230-231, 232-233 and 238-239, 240-241 and 247-248, 249-251 and 259-260, 260-261 and 265-266, 267-269 and 275-276, 277-278 and 283-284, 285-286 and 292-293, 294-297 and 304-305, 306-308 and 314-315, 316-318 and 323-324, 325-326 and 330-331, 332-333 and 337-338, 339-340 and 344-345, 346-348 and 355-356, 357-358 and 365-366, 367-368 and 373-374, 375-376 and 383-384, 385-387 and 392-393, 394-395 and 399-400, 401-402 and 409-410, 411-412 and 418-419, 421-422 and 426-427, 428-429 and 435-436, 437-438 and 444-445, 446-447 and 451-452) ; Appendix B (Hazus-MH Event Reports)	X		
B2. Does the Plan include information on previous occurrences of hazard events and on the probability of future hazard events for each jurisdiction? (Requirement §201.6(c)(2)(i))	Sect. II:P. 44 P. 48-50, P. 55-60, p. 74, P. 74-80, P. 80-86, P. 86, 90, P. 91-92, P 95, P 96-102;	X		
B3. Is there a description of each identified hazard's impact on the community as well as an overall summary of the community's vulnerability for each jurisdiction? (Requirement §201.6(c)(2)(ii))	Section II, P. 96-102 Also see Section II. Pages 43-95; Section IV Pages 193-453 (193-194, 201-202, 210-211, 218-219, 225-226, 232-233, 240-241, 249-251, 260-261, 267-269, 277-278, 285-286, 294-297, 306-308, 316-318, 325-326, 332-333, 339-340, 346-348, 357-358, 367-368, 375-376, 385-387, 394-395, 401-402, 411-412, 421-422, 428-429, 437-438, 446-447); Appendix B (Hazus-MH Event Reports)	X		
B4. Does the Plan address NFIP insured structures within the jurisdiction that have been repetitively damaged by floods? (Requirement §201.6(c)(2)(ii))	Section II, P. 69-70; Section IV Pages 193-453 (193- 201-209, 210-217, 218, 225-231, 232, 240-248, 250, 262, 267-271, 275-276, 277-284, 285, 295, 299-300, 303-304, 306-315, 317, 325-331, 332-338, 339-345, 346-356, 357-360, 365-366, 367, 375-384, 386, 394, 401, 411, 416-419, 420, 422-427, 428, 432-436, 437, 439-441, 444-445, 446).	X		
ELEMENT B: REQUIRED REVISIONS				
See Section 2 for Plan Strengths and Opportunities for Improvement.				
ELEMENT C. MITIGATION STRATEGY				
C1. Does the plan document each jurisdiction's existing authorities, policies, programs and resources and its ability to expand on and improve these existing policies and programs? (Requirement §201.6(c)(3))	Sect. III:P. 105-116, P. 117-125, P. 126-127	X		
C2. Does the Plan address each jurisdiction's participation in the NFIP and continued compliance with NFIP requirements, as appropriate? (Requirement §201.6(c)(3)(ii))	Sect. II: pp. 67-68; Sect. III: pp. 107-110	X		
C3. Does the Plan include goals to reduce/avoid long-term vulnerabilities to the identified hazards? (Requirement §201.6(c)(3)(i))	Sect. III: p. 137; Section IV Pages 194-450	X		

1. REGULATION CHECKLIST		Location in Plan (section and/or page number)	Met	Not Met
Regulation (44 CFR 201.6 Local Mitigation Plans)				
C4. Does the Plan identify and analyze a comprehensive range of specific mitigation actions and projects for each jurisdiction being considered to reduce the effects of hazards, with emphasis on new and existing buildings and infrastructure? (Requirement §201.6(c)(3)(ii))	Sect. III: pp. 137-140, pp. 141-185; Sect. IV: Pages 194-450	X		
C5. Does the Plan contain an action plan that describes how the actions identified will be prioritized (including cost benefit review), implemented, and administered by each jurisdiction? (Requirement §201.6(c)(3)(iv)); (Requirement §201.6(c)(3)(iii))	Sect. III: pp. 137-189; Sect. IV: Pages 194-450	X		
C6. Does the Plan describe a process by which local governments will integrate the requirements of the mitigation plan into other planning mechanisms, such as comprehensive or capital improvement plans, when appropriate? (Requirement §201.6(c)(4)(ii))	Sect. III: P. 128-136, P 141-142; Sect. VI: 474-475	X		
<u>ELEMENT C: REQUIRED REVISIONS:</u> See Section 2 for Plan Strengths and Opportunities for Improvement.				
ELEMENT D. PLAN REVIEW, EVALUATION, AND IMPLEMENTATION (applicable to plan updates only)				
D1. Was the plan revised to reflect changes in development? (Requirement §201.6(d)(3))	Section I Pages 30-40; Section II: Page 45; Pages 193-452 (193, 201, 210, 218, 225, 232, 240, 250, 261, 267-270, 277, 285, 295, 306-307, 317, 325, 333, 339, 347, 357, 367, 375, 386, 394, 402, 411, 420, 428, 436, 446)	X		
D2. Was the plan revised to reflect progress in local mitigation efforts? (Requirement §201.6(d)(3))	Sec III Pages 128-136; Pages 141 – 189; Sec IV Pages 193-452	X		
D3. Was the plan revised to reflect changes in priorities? (Requirement §201.6(d)(3))	Sect. III: pp. Pages 128-136; Pages 186 – 189; Sect. III: Page 142; Table 23- pages 144-185.; Sect IV: pages 193-452; Sect. V: pages 458-460	X		
<u>ELEMENT D: REQUIRED REVISIONS</u> See Section 2 for Plan Strengths and Opportunities for Improvement.				
ELEMENT E. PLAN ADOPTION				
E1. Does the Plan include documentation that the plan has been formally adopted by the governing body of the jurisdiction requesting approval? (Requirement §201.6©(5))	Sect. VIII: App. C, pp. C1-C2. See first page of this review tool. 21 communities have adopted as of 12/05/2014	X		
E2. For multi-jurisdictional plans, has each jurisdiction requesting approval of the plan documented formal plan adoption? (Requirement §201.6(c)(5))	Sect. VIII: App. C, pp. C1-C2	X		
<u>ELEMENT E: REQUIRED REVISIONS</u>				
ELEMENT F. ADDITIONAL STATE REQUIREMENTS (OPTIONAL FOR STATE REVIEWERS ONLY; NOT TO BE COMPLETED BY FEMA)				
F1.				
F2.				
<u>ELEMENT F: REQUIRED REVISIONS</u>				

SECTION 2: PLAN ASSESSMENT

A. Plan Strengths and Opportunities for Improvement

This section provides a discussion of the strengths of the plan document and identifies areas where these could be improved beyond minimum requirements.

Element A: Planning Process

Plan Strengths:

- The plan update process is well documented. Appendix A includes meeting notes of the planning committee meetings, materials provided to municipalities at local meetings, public meeting advertisements and meeting notes, and survey results.
- A matrix is included in the plan to summarize the departments and functions of the over 400 municipal representatives involved in the plan update process. The departments and functions represented include: local administration, elected officials, health and human services personnel, land use and development officials, public safety personnel, public works personnel, other municipal staff such as GIS, IT, parks and recreation, and public schools and boards of education representatives.
- Individual local meetings were held with each of the 30 participating jurisdictions to initiate the local update process. After completion of a draft hazard vulnerability analysis and the initial meetings, 7 sub-regional public meetings were held to solicit feedback from residents and other stakeholders.
- In addition to holding public meetings, a variety of means were used to inform the public of the planning process and to gain public input. This included providing regular reports and presentations to local officials, updating the CRCOG's web page related to the plan, as well as using an online survey and distributing paper survey forms to the sub-regional public workshops to solicit input on local mitigation activities and strategies.
- The plan provides a summary of all public comments received at public meetings, written comments received, as well the response to comments received.
- The CRCOG Policy Development and Planning staff, in coordination with Public Safety and Homeland Security staff, is anticipated to be responsible for updating the plan at least once every 5 years. Primary municipal contacts have been designated to provide status updates on mitigation activities which will be part of the annual monitoring and evaluation of the plan and its implementation.

Opportunities for Improvement:

- Although the plan does document the review and incorporation of existing plans, studies, reports and existing strategies with citations throughout the plan, consider including a narrative to summarize which plans, studies, and reports were reviewed and how relevant information from those items was incorporated into the plan.
- Provide detail about the method or criteria that will be used during the annual review and evaluation of the plan and its implementation. This could include providing an annual review questionnaire or mitigation action progress report.

- Overall, the plan contains valuable data to benefit each community during the Plan maintenance and implementation phase. Communities and Hazard Mitigation Planning Team Members are encouraged to involve as many stakeholders as possible in the planning process. To claim complete ownership of this Natural Hazards Mitigation Plan, the communities are encouraged to fully participate from the planning process to the implementing phase and then to the next Plan Update process. These communities should consider showcasing any mitigation success stories in the next Hazard Mitigation Plan Update. A cover page photograph of a successful mitigation project would be quite informative and appealing to the public. Communities should consider celebrating the adoption of this second version of the Hazard Mitigation Plan on local cable TV or radio to start publicizing for the next plan update.

Element B: Hazard Identification and Risk Assessment

Plan Strengths:

- The plan provides an overview of the region that includes a general description of the geography and climate, population and housing, land use, and cultural and natural assets.
- Maps are used to delineate the areas at risk to flood, dam failure, and earthquake. Maps are also used to show the location and/or extent of past hurricane, severe winter storm, and tornado events.
- Additional jurisdiction-specific maps are included in the Municipal Plans in Section IV to delineate the population density, dams, flood zones, repetitive loss areas, and important facilities within each participating jurisdiction.
- The plan provides a hazards summary that identifies the frequency, potential impacts, vulnerable locations, and economic loss for each hazard.
- HAZUS-MH was used to estimate the losses caused by flood, earthquake, and hurricanes in each jurisdiction. This included the total estimated economic losses as well as the number of households displaced, people needing shelter, buildings at least moderately damaged, and buildings completely damaged.
- The Municipal Plans in Section IV identify challenges which are specific to each participating jurisdiction. This includes hazards or risks of major concern in the towns/city, local areas of flooding concern, and potential economic losses.

Opportunities for Improvement:

- Expand the narrative description of each hazard to include more detail on the hazard characteristics (e.g., a tornado is characterized by a twisting, funnel-shaped cloud).
- Identify any data gaps that can be filled as new data become available.
- Consider estimating potential losses and expanding the description of potential impacts for the following hazards: dam failure, severe winter storms, tornadoes and high winds, drought, and forest and woodland fires.
- Estimate the population as well as the types and numbers of existing and future buildings, infrastructure, and critical facilities that are or will be located in the identified hazard areas to further evaluate current and future risk.

Element C: Mitigation Strategy

Plan Strengths:

- The plan describes the existing capabilities for implementing mitigation actions at the regional and local level and reviews the existing strategies for hazard mitigation, including programs, policies, regulations, and plans that are in place.
- The plan also identifies challenges that are common to most municipalities in the region as well as challenges that are unique to each of the participating jurisdictions, such as having a limited staff or budget.
- The plan proposes goals, objectives, and strategic actions for the region and each participating jurisdiction. The proposed strategic actions include all five types of mitigation strategies, education and awareness, natural resource protection, prevention, and structural projects/property protection. The proposed actions are presented in a matrix (Table 20: Summary of Types of Mitigation Projects) to clearly demonstrate that each jurisdiction has a comprehensive range of actions that also emphasize new and existing buildings and infrastructure.
- A lead department, priority, status, potential funding sources, and timeline are identified for each action. The hazard addressed and planning level benefit-to-cost ratio for each action are also noted in a separate table (Table 21: Listing of Municipal Strategic Actions).
- The STAPLEE criteria were used as a means for helping determine priorities of the proposed mitigations actions (although the actions were not specifically scored against the STAPLEE criteria). The STAPLEE criteria also formed the basis for the evaluation of the planning level benefit-cost comparison. Benefit-cost ratios were prepared for each action based on the category or type of mitigation measures they represented.

Opportunities for Improvement:

- Although the plan did a good job assessing existing plans, policies, and programs and listed potential sources of funding and technical assistance for mitigation projects; consider expanding this assessment to include other available resources for mitigation, such as staff or fiscal resources (i.e., available funding through taxing authority and/or annual budgets).
- Make additional linkages between the vulnerability assessment, hazard risk, and mitigation strategy. For example, target mitigation actions at specific locations/areas that have been identified as vulnerable to a hazard.
- Although the plan does describe how the mitigation plan has been incorporated into other planning mechanisms through the status updates to the existing mitigation actions, consider including a narrative that summarizes all of this information to more clearly demonstrate progress in local hazard mitigation efforts.
- In the next Plan Update, ensure that **timeframe** for completion and implementing of the mitigation actions/projects are clearly understood. Timeframes must fall within the Plan's performance period, such as 2014-2019 or 2015 to 2020 etc... Providing **just the year '2015' or the month, day and year i.e. 03/31/2015 (Fall/Winter 2015 or 2016) is not a timeframe.** A timeframe takes into account **when an action is started** to when an action is **completed**. For example, **from** Fall 2016 **to** Winter 2017 is a 'timeframe.' Meaning the project/action will starts in Fall of 2016 and is estimated to complete in Winter of 2017. In the next update

avoid using incorrect timeframes. Long term timeframes must have a rationale justifying why the action/project will not be completed during the plan's performance period. Communities are encouraged to consider shorter timeframes for implementation (i.e., less than 5 years).

Element D: Plan Update, Evaluation, and Implementation (*Plan Updates Only*)

Plan Strengths:

- The plan provides a status report on the 2008 Regional Mitigation Strategy and presents revisions and new proposals for the 2013-2018 plan update. This includes discussions of proposed changes to objectives as well as status updates for each of the previous actions.
- The plan also provides a status update for each of the participating jurisdiction's actions. Explanations were given for why any actions from the 2008 action plan were discontinued.

Opportunities for Improvement:

- Include documentation of the annual monitoring and evaluation of the plan, including the status updates on mitigation activities provided by the primary municipal contacts.
- Identify any barriers or obstacles to successful implementation of the existing mitigation actions that have not been pursued to date along with possible solutions (e.g., ways to increase funding and staff resources).
- Although the plan update process reprioritized all of the new and continued mitigation actions, consider including a narrative description of if and how any priorities have changed since the plan was previously approved to reflect current financial, legal, political, and post-disaster conditions.
- See FEMA Local Mitigation Planning Handbook of March 2013 for excellent examples in addressing all of Element D.
- The following questions would be very helpful when preparing the next update: Do the mitigation goals and objectives still reflect the concerns of local residents, business owners, and officials? Have local conditions changed so that findings of the risk and vulnerability assessments should be updated? Are new sources of information available that will improve the risk assessment? If risks and vulnerabilities have changed, do the mitigation goals and objectives still reflect the risk assessment? What hazards have caused damage locally since the last edition of the HMP was developed? Were these anticipated and evaluated in the HMP or should these hazards be added to the plan? Are current personnel and financial resources at the local level sufficient for implementing mitigation actions? For each mitigation action that has not been completed, what are the obstacles to implementation? What are potential solutions for overcoming these obstacles? For each mitigation action that has been completed, was the action effective in reducing risk? What mitigation actions should be added to the plan and proposed for implementation? If any proposed mitigation actions should be deleted from the plan, what is the rationale?

B. Resources for Implementing Your Approved Plan

- Chapter 3 and Appendix 5-3 of the 2014 State of Connecticut Hazard Mitigation Plan identifies a number of potential funding resources for various mitigation actions.
- More information about applying for grants, available publications and training opportunities can be obtained from Emily Pysh, Connecticut State Hazard Mitigation Officer at Emily.pysh@ct.gov Emily.pysh@ct.gov Karen Michaels, Environmental Analyst, Karen.michaels@ct.gov and Edward Urbansky, Emergency Management Program Specialist/Hazard Mitigation Unit at Edward.Urbansky@ct.gov.
- Communities are encouraged to do everything possible to maximize use of every 406 hazard mitigation opportunity when available during federally declared disasters. A better alignment and increasing the effectiveness of 406 and 404 mitigation funds, greatly benefit the community in the long run
- Consider what actions can be funded by various governmental agencies (federal and state), especially when meeting multiple community goals. Federal agencies may support integrated planning efforts such as rural development, sustainable communities and smart growth, wildfire mitigation, conservation, etc.
- Seek out other non-governmental or non-emergency management funding sources such as from private organizations and businesses, federal initiatives (Smart Growth, Sustainable Communities), Federal Highways pilot projects, and historic preservation programs.

Technical Assistance

Technical assistance is available through Risk MAP to assist communities in identifying, selecting, and implementing activities to support mitigation planning and risk reduction; Attend any Risk MAP's discovery meetings that may be scheduled in the State (or neighboring communities with shared watersheds boundaries) in the future.

USDA, Natural Resources Conservation Service (NRCS)
Conservation Technical Assistance

<http://www.nrcs.usda.gov/wps/portal/nrcs/main/national/programs/technical/cta>

Publications

FEMA B-797, Hazard Mitigation Field Book – Roadways

<http://www.fema.gov/library/viewRecord.do?fromSearch=fromsearch&id=4271>

Flood Hazard Mitigation Handbook for Public Facilities

<http://www.fema.gov/library/viewRecord.do?fromSearch=fromsearch&id=3724>

FEMA 386-6, Mitigation Planning How To #6: Integrating Historic Property & Cultural Resource Considerations into Hazard Mitigation Planning

<http://www.fema.gov/library/viewRecord.do?fromSearch=fromsearch&id=1892>

FEMA P-787 Catalog of FEMA Wind, Flood & Wildfire Publications, Training Courses & Workshops (2012)

<http://www.fema.gov/library/viewRecord.do?fromSearch=fromsearch&id=3184>

FEMA 347, *Above the Flood: Elevating your Flood-prone House* This large publication (69 pages) could be placed in the reference section of a local public library or at a City or Town Hall for lending.

<http://www.fema.gov/library/viewRecord.do?fromSearch=fromsearch&id=1424>

NFIP-related publications can be found at the following web address: <http://www.fema.gov/national-flood-insurance-program/national-flood-insurance-program-publications#5>

F-084 [*Answers to Questions About the NFIP*](#)

F-001 [*What You Need to Know About Federal Disaster Assistance and Federal Flood Insurance*](#)

F-002 [*Myths and Facts About the NFIP*](#)

F-217 [*Benefits of Flood Insurance Versus Disaster Assistance*](#)

F-301 [*Top 10 Facts Every Consumer Needs to Know About the NFIP*](#)

F-687 [*Flood Insurance Claims Handbook*](#)

Also, for planning purposes, the long awaited and highly anticipated **No Adverse Impact** (NAI) How-To Guides are now available (as of August 2013). The intent of these How to Guides is to expand on the knowledge base within the original No Adverse Impact Toolkit and to provide specific tools for incorporating NAI floodplain management into local regulations, ordinances, requirements, design, standards and practices. Complete information about NAI can be found at:

<http://www.floods.org/index.asp?menuID=460>

Mitigation Ideas, A Resource for Reducing Risk from Natural Hazards: FEMA Region 1's Mitigation Ideas' version is available upon request. Through Risk MAP, FEMA has developed and released this new resource for helping communities identify actions to improve their disaster resiliency! *Mitigation Ideas: A Resource for Reducing Risk from Natural Hazards* presents ideas for how to mitigate the impacts of different natural hazards, from drought and sea level rise, to severe winter weather and wildfire. The document also includes ideas for actions that communities can take to reduce risk to multiple hazards, such as incorporating a hazard risk assessment into the local development review process.

- **Other consideration:** Creating Equitable, Healthy, and Sustainable Communities: Strategies for Advancing Smart Growth, Environmental Justice, and Equitable Development...

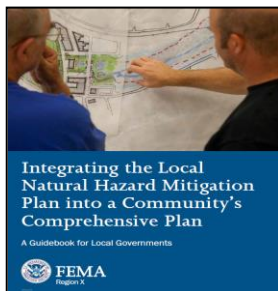
http://www.epa.gov/smartgrowth/equitable_development_report.htm

- More information on the Partnership for Sustainable Communities:

<http://www.sustainablecommunities.gov>

- [Integrating Hazard Mitigation into Local Planning](#) is a publication that highlights case studies and tools for community officials providing practical guidance on how to incorporate risk reduction strategies into existing local plans, policies, codes, and programs that guide community development or redevelopment patterns. It includes recommended steps and tools to assist with local integration efforts, along with ideas for overcoming possible impediments, and presents a series of case studies to demonstrate successful integration in practice. The document also includes several pull-out fact sheets to provide succinct guidance on specific integration topics.

[Local Mitigation Planning Handbook](#) (Handbook) as the official guide for local governments to develop, update and implement local mitigation plans. While the requirements have not changed, the Handbook provides guidance to local governments on developing or updating hazard mitigation plans to meet the requirements under the [Code of Federal Regulations \(CFR\) Title 44 – Emergency Management and Assistance §201.6, Local Mitigation Plans](#) for FEMA approval and eligibility to apply for FEMA Hazard Mitigation Assistance grant programs. The Handbook complements and liberally references the [Local Mitigation Plan Review Guide](#) (October 1, 2011), which is the official guidance for Federal and State officials responsible for reviewing local mitigation plans in a fair and consistent manner. Both the *Guide* and the *Handbook* can be found on the FEMA Mitigation Planning web page at <http://www.fema.gov/mitigation-planning-laws-regulations-guidance#3>



Abstract: FEMA developed this guidebook to explain and demonstrate how to integrate natural hazard mitigation concepts into local comprehensive plans. The guidebook describes the benefits of integration, provides examples of how it can be accomplished, reviews existing state authorities and regulations, and highlights successful best practices in FEMA Region X communities. http://www.starr-team.com/starr/RegionalWorkspaces/RegionX/Documents/Integrating_Mitigation_Plan/FEMA-X-Integrating_Local_Mitigation_Plan_into-Comprehensive_Plans.pdf

http://www.fema.gov/media-library-data/20130726-1908-25045-0016/integrating_hazmit.pdf

* **Beyond the Basics: Best Practices in Local Mitigation Planning** - DHS Coastal Hazards Center of Excellence developed the following: <http://mitigationguide.org/>. The purpose is to help communities develop and improve their local hazard mitigation plan. The site, which was created by the DHS Science and Technology Coastal Hazard Center of Excellence and the of North Carolina at Chapel Hill, also contains a self-assessment tool, sample community plans and place to share experiences and lessons learned.

* **EPA** Provides Tool to Help Communities Become More Flood Resilient /Smart growth approaches can help communities prepare for and recover from disaster. Learn about the Smart Growth Implementation Assistance Program: <http://www.epa.gov/smartgrowth/sgia.htm>

SECTION 3: MULTI-JURISDICTION SUMMARY SHEET (OPTIONAL)

INSTRUCTIONS: For multi-jurisdictional plans, a Multi-jurisdiction Summary Spreadsheet may be completed by listing each participating jurisdiction, which required Elements for each jurisdiction were 'Met' or 'Not Met,' and when the adoption resolutions were received. This Summary Sheet does not imply that a mini-plan be developed

for each jurisdiction; it should be used as an optional worksheet to ensure that each jurisdiction participating in the Plan has been documented and has met the requirements for those Elements (A through E).

MULTI-JURISDICTION SUMMARY SHEET												
#	Jurisdiction Name	Jurisdiction Type (city/borough/township village, etc.)	Plan POC	Mailing Address	Email	Phone	Requirements Met (Y/N)					
							A. Planning	B. Hazard Identification & Risk Assessment	C. Mitigation Strategy	D. Plan Review, Evaluation & Implementation	E. Plan Adoption	F. State Require- ments
1	Hartford	City					Y	Y	Y	Y	10/27/2014	
2	Bolton	Town					Y	Y	Y	Y	10/07/2014	
3	Canton	Town					Y	Y	Y	Y	10/08/2014	
4	East Windsor	Town					Y	Y	Y	Y	10/21/2014	
5	Ellington	Town					Y	Y	Y	Y	09/15/2014	
6	Farmington	Town					Y	Y	Y	Y	10/14/2014	
7	Glastonbury	Town					Y	Y	Y	Y	10/14/20014	

MULTI-JURISDICTION SUMMARY SHEET

#	Jurisdiction Name	Jurisdiction Type (city/borough/township / village, etc.)	Plan POC	Mailing Address	Email	Phone	Requirements Met (Y/N)					
							A. Planning	B. Hazard Identification & Risk Assessment	C. Mitigation Strategy	D. Plan Review, Evaluation & Implementation	E. Plan Adoption	F. State Requirements
8	Granby	Town					Y	Y	Y	Y	09/15/2014	
9	Hebron	Town					Y	Y	Y	Y	09/11/2014	
10	Manchester	Town					Y	Y	Y	Y	10/07/2014	
11	Marlborough	Town					Y	Y	Y	Y	09/16/2014	
12	Simsbury	Town					Y	Y	Y	Y	10/27/2014	
13	Somers	Town					Y	Y	Y	Y	10/30/2014	

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14	South Windsor	Town					Y	Y	Y	Y	09/15/2014	
15	Stafford	Town					Y	Y	Y	Y	11/13/2014	
16	Suffield	Town					Y	Y	Y	Y	09/17/2014	
17	Rocky Hill	Town					Y	Y	Y	Y	09/15/2014	
18	Tolland	Town					Y	Y	Y	Y	09/23/2014	
19	West Hartford	Town					Y	Y	Y	Y	09/23/2014	

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20	Wethersfield	Town					Y	Y	Y	Y	10/06/2014	
21	Windsor Locks	Town					Y	Y	Y	Y	10/07/2014	
22	East Granby	Town					Y	Y	Y	Y	11/24/2014	
23	East Hartford	Town					Y	Y	Y	Y	11/18/2014	
24	Newington	Town					Y	Y	Y	Y	12/09/2014	
25	Vernon	Town					Y	Y	Y	Y	11/18/2014	