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U.S Department of Homeland Security
Region I
99 High St, 6th Floor
Boston, MA 02110-2320



FEMA

October 15, 2009

Clare Bootle Rock, Assistant Planner
Central Vermont Regional Planning Commission
29 Main Street, Ste. 4
Montpelier, VT 05602

COPY

Dear Ms. Rock:

Thank you for the opportunity to review the Central Vermont Regional Planning Commission's Pre-Disaster Mitigation Plan. The Department of Homeland Security (DHS), Federal Emergency Management Agency (FEMA) Region I has evaluated the plan for compliance with the Interim Final Rule published in the Federal Register on February 26, 2002 (44 CFR Parts 201 and 206). The plan satisfactorily meets all of the mandatory requirements set forth by the regulations except §201.6(c)(5), adoption by the local governing bodies.

Federal regulations require that a plan must include documentation of its formal adoption by the governing bodies of the jurisdictions it represents. Accordingly, this letter reflects a conditional approval of the plan for the participating communities listed below until we receive copies of their signed and stamped adoption resolutions. If the plan is not adopted within one calendar year of FEMA's conditional approval, the jurisdiction must update the entire plan and resubmit it for FEMA review.

- Town of Warren
- Town of Williamstown

Once this documentation has been received and accepted, a formal letter of approval, signed by our Regional Administrator, will be sent to you. After this plan is formally approved, those jurisdictions that adopt it and that belong to the National Flood Insurance Program (NFIP) will be eligible to apply for Mitigation Grants administered by FEMA.

Along with copies of the communities' adoption resolutions, please also submit an electronic version of the plan. FEMA must upload complete, electronic versions of all approved plans into the National Emergency Management Information System (NEMIS) database. Acceptable electronic formats include a .doc or .pdf file and may be submitted to us on a CD.

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Thank you for your continued dedication to public service demonstrated by preparing and adopting a strategy for reducing future disaster losses. Congratulations once again for achieving this milestone and ensuring a safer future for the residents of the Central Vermont Region. Should you have any questions, please do not hesitate to contact Marilyn Hilliard at (617) 956-7536.

Sincerely,

A handwritten signature in cursive script that reads "Kevin M. Merli".

Kevin M. Merli, Director
Mitigation Division

Enclosure

Cc: Ray Doherty, State Hazard Mitigation Officer, VT
Burton Bauchner, Chair, Warren Selectboard

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CERTIFICATE OF ADOPTION

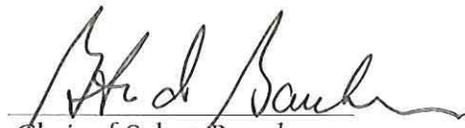
The Town of Warren
Select Board
A Resolution Adopting the Pre-Disaster Mitigation Plan
Oct 27, 2009

WHEREAS, the Town of Warren has worked with the Central Vermont Regional Planning Commission to identify hazards, analyze past and potential future losses due to natural and manmade-caused disasters, and identify strategies for mitigating future losses; and

WHEREAS, the Warren Annex of the Central Vermont Pre-Disaster Mitigation Plan contains several potential projects to mitigate damage from disasters that could occur in the Town of Warren; and

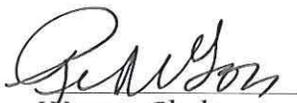
WHEREAS, a duly-noticed public meeting was held by the Town of Warren Select Board on Oct 27, 2009 to formally adopt the Warren Annex of the Central Vermont Pre-Disaster Mitigation Plan;

NOW, THEREFORE BE IT RESOLVED that the Warren Select Board adopts the Warren Annex and the associated Central Vermont Pre-Disaster Mitigation Plan.

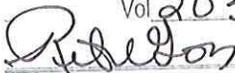

Chair of Select Board


Member of Select Board

ATTEST


Warren Clerk

TOWN OF WARREN, VT

Received for Record 10/28 2009
at 8:30 o'clock A M and Received in
Vol 203 Page 279-313

TOWN CLERK

11/10/2014

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Central Vermont Pre-Disaster Mitigation Plan
Town of Warren Annex

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1. Introduction & Purpose

1.1 Introduction

This appendix, when used with the appropriate sections of the Regional Pre-Disaster Mitigation Plan, is the first Pre-Disaster Mitigation Plan for Warren.

The impact of expected, but unpredictable natural and human-caused events can be reduced through community planning. The goal of this Plan is to provide an all-hazards local mitigation strategy that makes the communities of Central Vermont more disaster resistant.

Hazard mitigation is any sustained action that reduces or eliminates long-term risk to people and property from natural and human-caused hazards and their effects. Based on the results of previous Project Impact efforts, FEMA and State agencies have come to recognize that it is less expensive to prevent disasters than to repeatedly repair damage after a disaster has struck. This Plan recognizes that communities have opportunities to identify mitigation strategies and measures during all of the other phases of emergency management – preparedness, response, and recovery. Hazards cannot be eliminated, but it is possible to determine what the hazards are, where the hazards are most severe and identify local actions that can be taken to reduce the severity of the hazard.

Hazard mitigation strategies and measures alter the hazard by eliminating or reducing the frequency of occurrence, avert the hazard by redirecting the impact by means of a structure or land treatment, adapt to the hazard by modifying structures or standards, or avoid the hazard by preventing or limiting development.

1.2 Purpose

The purpose of this first Pre-Disaster Mitigation Plan is to assist Warren in recognizing hazards facing the region and their community and identify strategies to begin reducing risks from acknowledged hazards.

2. Central Vermont Regional Plan (September 2003) Goals that Support Pre-Disaster Mitigation

- To build disaster resistant communities in Central Vermont through sound emergency planning and management;
- To ensure that all communities in Central Vermont have the appropriate knowledge, resources, and tools to respond to disaster events and recover from their impacts; and
- To reduce the loss of life and injury resulting from all hazards.

3. Town Plan (2005) Goals & Objectives that Support Pre-Disaster Mitigation

- Maintain and improve a transportation system that is safe and efficient. (Transportation Goal)
- The regulation of land development in a manner which protects important natural and community resources including farm land, forest resources, important wildlife habitat and water quality while allowing for diverse land uses in an appropriate locations. (Land Use Goal)
- The provision of an environmentally sound and cost efficient system of community services, facilities and utilities to meet present and future demands of Warren citizens and visitors. (Community Services, Facilities and Utilities Goal)

4. Community Profile

Located in the southwestern corner of Washington County, the Town of Warren is 40.14 square miles and is bounded by the two other Mad River Valley Towns of Fayston and Waitsfield to the north, by Northfield to the east, and by the Addison County towns of Granville and Lincoln to the south and west respectively. The Village of Warren is nestled in a valley between the Green Mountain range to the west and by the Northfield Mountains to the east. The town presided wholly within the upper watershed of the Mad River, which drains in a northerly direction towards the Winooski River Basin.

The Town's primary transportation route is Vermont Route 100, which runs alongside the Mad River from north to south. This highway provides access to Waitsfield, the commercial hub of the Mad River Valley, and to Route 2 and Interstate 89 further north. The historic Village of Warren is located to the east of Route 100 on the other side of the Mad River. The Village is comprised of a cluster of historic buildings, including a general store, inn, post office, church, library, municipal offices and private residences. According to the Town Plan the potential for locating additional development in the Village is limited." A second area of development is located around the base of Sugarbush Ski area, located northwest of the Village and accessed via the Sugarbush Access Road. The Sugarbush Village area/Lincoln Peak Base area is Warren's largest growth area and is the "focal point for the Valley's tourist industry." It consists of condominium development, lodging facilities, restaurants and retail business. An additional area of concentrated development is Alpine Village; a residential neighborhood, comprised of 290-acres, located in the southeast quadrant of Warren. It was planned in the 1960's for primarily seasonal/recreational/vacation uses, yet many structures have been converted to year-round residences yet environmental constraints will limit future development. According to the Town Plan, approximately 4.1% of the land in Warren is developed as residential, 0.26% is commercial and the majority of the land remains forested (84.9%).

The 2000 Census indicates that the Town of Warren has a population of 1,681 and 2007 estimates an increase to 1,731. The Town Plan states that "Warren's population, as with other Valley towns, is expected to grow more quickly than Washington County." Between 2000 and

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2010, its population is expected to increase by 17%. Yet the Census population figures do not take in account the large seasonal population. Housing data is one indication of the impact of seasonal residents. "Of Warren's 2,078 housing units, 61.9% were reported to be used for seasonal or recreational use" and the Town Plan goes on to state "only 742 housing units were reported to be occupied at the time the Census was taken."

Warren has adopted zoning and subdivision regulations and participates in the NFIP. Land use regulations include a Flood Hazard Overlay District, designed to prevent or minimize hazards to life or property due to flooding. The Town of Warren is currently in the process of developing a Fluvial Erosion Hazard Overlay with the assistance of the Friends of the Mad River watershed group. The Town of Warren currently does not have an approved and adopted Pre Disaster Mitigation Plan, this plan will serve as the town's first PDM plan.

In regards to community facilities and services, Green Mountain Power is the electrical provider to the Town of Warren. Residents and businesses located within the Village rely on a municipal water and wastewater system. Similarly Sugarbush Resort and Sugarbush Village depend on private water and waste water systems that serves 648 users, according to the 2005 Town Plan. Remaining residents and business not located within these areas rely on individual or small-scale community wells and spring for their water supply and private waste water treatment systems. The Town's Wastewater Ordinance regulated all disposal systems up until July 2007 now the State of Vermont over see's all waste water permitting.

The Warren Volunteer Fire Department is responsible for local fire protection. According to the *Annual Report of the Town and Town School District for the Year Ending December 31, 2007, Town of Warren, Vermont* the fire department responded to 53 calls during 2007. The Vermont State Police provide local law enforcement and the town contracts with the Washington County Sheriffs Department for traffic enforcement. Plus, as stated in the Town Plan "Sugarbush ski resort has an annual agreement with Washington County Sheriffs Department to assist with traffic control during the ski season and special events." The Mad River Valley Ambulance Service is the emergency medical provider for the Mad River Valley and the station is located in the neighboring town of Waitsfield. The Town's Annual Report indicates the Ambulance Service responded to a total of 418 calls during 2007, 110 in Warren.

The Town of Warren has an approved Rapid Response Plan that was adopted in 2006. The Warren Elementary School and the Fire Station are designated emergency shelters and have back up generators.

The *Town Plan, Warren, Vermont, 2005* includes discussion, planning considerations, goals, objectives and implementation strategies in regards to Transportation, Community Services, Facilities and Utilities, and Land Use. The *Warren Land Use & Development Regulations, 2005* outline zoning districts and development standards to protect steep slopes, headwaters and drinking water, and encourage development within proximity to public services and facilities. The zoning regulations also include a Flood Hazard Overlay District, established "to promote public health, safety and welfare by preventing or minimizing hazards to life or property due to flooding." The town is currently in the process of updating its town plan and will subsequently be updating its zoning regulations. New DFRIM maps are in the process of being reviewed by towns in Washington County, as part of this FEMA map modernization process towns will be required to review and update flood hazard regulations to improve floodplain management.

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5. Planning Process

The Central Vermont Regional Planning Commission (CVRPC) and the Town Administrator coordinated the Warren Pre-Disaster Mitigation Plan process. The Warren Select Board held a public hearing to provide residents the opportunity to identify hazards at their October 14, 2008 meeting. The following people were in attendance:

Cindi Hartshorn-Jones, Town Administrator
 Andy Cunningham, Select Board
 Burt Bauchner, Select Board
 Erin Russell-Story, Select Board
 Kiristin Reilly, Select Board
 Rudy Elliott
 Chris Kathan
 Raemon Weston Jr., Warren Road Crew
 Craig Klofach, Planning Commission
 Micheal Ketchel, Planning Commission
 Joshua Schwartz, Mad River Planning District
 Jim Sanford, Planning Commission
 Andreas Lehner
 Bill Oeatmena
 Barry Simspon, Warren Road Crew

A meeting was held in Warren on December 18, 2008 in order to review the inventory of the town's vulnerability to hazards and its current and future mitigations programs, projects and activities. Input was received from Cindi Hartshorn-Jones, Town Administrator. The Town Administrator provided copies of the draft PDM plan to the following town boards and departments for additional input: Roads Crew, Department of Public Works, Select Board, Planning Commission and Design Review Board. The Planning Commission reviewed the draft Pre Disaster Mitigation Plan at their February 9, 2009 meeting. Planning Commission members included:

Craig Klofach
 Micheal Ketchel
 Jim Sanford
 Dan Raddock
 Don LeHaye

Select Board and Planning Commission meeting are duly warned and open to the public. Agendas are posted on the municipal website providing local residents and businesses the opportunity to review and comment upon the plan. Also, the draft plan was made available for public comment at the Town Clerks office and notice of the plan was posted on the community bulletin board and uploaded onto the Municipal website. In the future the Town of Warren shall ensure public participation in the updating process by advertizing the planning update on the Town Select Board agenda and inviting other stake holders to participate.

CERTIFICATE OF ADOPTION

The Town of Warren
Select Board
A Resolution Adopting the Pre-Disaster Mitigation Plan
_____, 2009

WHEREAS, the Town of Warren has worked with the Central Vermont Regional Planning Commission to identify hazards, analyze past and potential future losses due to natural and manmade-caused disasters, and identify strategies for mitigating future losses; and

WHEREAS, the Warren Annex of the Central Vermont Pre-Disaster Mitigation Plan contains several potential projects to mitigate damage from disasters that could occur in the Town of Warren; and

WHEREAS, a duly-noticed public meeting was held by the Town of Warren Select Board on _____, 2009 to formally adopt the Warren Annex of the Central Vermont Pre-Disaster Mitigation Plan;

NOW, THEREFORE BE IT RESOLVED that the Warren Select Board adopts the Warren Annex and the associated Central Vermont Pre-Disaster Mitigation Plan.

Chair of Select Board

Member of Select Board

ATTEST

Warren Clerk

Preparation for the meeting included a review of Warren's planning documents, including the Warren Municipal Plan, Zoning Regulations, the Warren Rapid Response Plan 2006 and the Fluvial Geomorphology Assessment.

A copy of the Warren PDM plan was made available to the public at the Warren Clerks office. An opportunity for adjoining local community members to review the draft Warren PDM plan took place at the CVRPC Commissioners meeting. The plan has received conditional approval by Vermont Emergency Management.

6. Community Vulnerability by Hazard

The following hazards were discussed:

Hazard	Likelihood	Community Vulnerability
Avalanche/Landslide	low	no
Dam Failures	low	no
Drought	low	no
Earthquake	low	no
Extreme Cold	med	no
Flash Flood	med	no
Flood	med	no
Fluvial Erosion	med	yes
High Wind	low	no
Structure Fire	med	no
Tornado	low	no
Water Supply Contamination	low	no
Hurricane	low	no
Wildfire/Forest Fire	low	no
Winter Storm / Ice Storm	high	no

Flood, flash flood, structure fire, winter storm/ice storm, high winds, and earthquake have been profiled in the Regional Section of the Central Vermont Pre-Disaster Mitigation Plan in section 2. *Hazard Inventory and Risk Assessment* pages 11-30. Mitigation initiatives for the above mentioned hazards are also contained in the Regional PDM Plan in section 3. *Mitigation Activities*, pages 31-49. There are no National Flood Insurance Program repetitive loss properties in Warren.

Fluvial erosion was found to be the most significant hazards in Warren. Significant hazards were identified as an event that has a high likelihood of happening and presents a threat of disaster

Each indentified hazard includes: a list of past occurrences a narrative description of the hazard plus a matrix describing the location, vulnerability, extent, impact and probability of the hazard as identified below:

Hazard	Location	Vulnerability	Extent	Impact	Probability
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Type of hazard	General areas within municipality which are vulnerable to the Identified hazard.	Types of structures impacted	Magnitude of hazard: -Minimal; -Moderate; or -Severe ¹	Dollar value or percentage of damages	Likelihood of hazard occurring based upon past events: HIGH = 10% to 100% probability within the next year or at least once the next 10 years. MED = less than 10% to 100% probability within the within the next year or less than once in the next 10 years.
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6.1 Fluvial Erosion

According to the Vermont River Management Program fluvial erosion is erosion caused by rivers and streams, and can range from gradual bank erosion to catastrophic changes in river channel location and dimension during flood events. In Vermont, most flood losses are not caused by inundation but by fluvial erosion.

Warren is located in the upper watershed of the Mad River. The village is located on the valley floor and flanked by the rugged steep slopes of the Green Mountains to the west and the Northfield range to the east. Many river and stream tributaries drain into the Mad River from the adjacent mountains. As in many New England towns, roads were built along side mountain tributaries. Rain events and spring snow melt attribute to the gradual bank fluvial erosion which impacts the municipal transportation and infrastructure system. Past occurrences of fluvial erosion are documented in the River Corridor Plan for the Mad River. The Corridor Plan only identifies areas along the main stem of the Mad River and not erosion areas along Warren's tributaries. The plan does not identify the dates of past occurrences but does identify two areas in Warren (one area just upstream of the Covered Bridge and one area downstream of the Covered Bridge, totaling a length less than 200 feet) where the river banks are being affected by erosion. The Town is currently in the process of reviewing and considering the adoption of a Fluvial Erosion Hazard Overlay Zone which would prohibit future development within areas susceptible to fluvial erosion.

West Hill Road runs parallel to Bradley Brook and provides local access to rural residential development, the Sugarbush Golf Course and Sugarbush Ski Resort. Gradual bank erosion of the brook is impacting the stability of West Hill Road. In 2006 the road was closed for repairs and required local traffic to use alternative routes. One particular resident of West Hill Road requires frequent medical attention and the road closure extends the response time of emergency medical services. The Town of Warren has made previous attempts at bank stabilization yet the natural hydrological processes require additional repairs to ensure road stability.

Fluvial erosion is also undermining the west abutment of the Village Covered Bridge. As stated in the Warren Town Plan the bridge is listed in the National Register and was built following the 1927

¹ -Minimal: Limited and scattered property damage; no damage to public infrastructure contained geographic area (i.e., 1 or 2 communities); essential services (utilities, hospitals, schools, etc.) not interrupted; no injuries or fatalities.
-Moderate: Scattered major property damage (more than 50% destroyed); some minor infrastructure damage; wider geographic area (several communities) essential services are briefly interrupted; some injuries and/or fatalities.
-Severe: Consistent major property damage; major damage to public infrastructure (up to several days for repairs); essential services are interrupted from several hours to several days; many injuries and fatalities.

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flood. The 2002 Bridge Study indicates replacement of the western abutment is required and the River Corridor Plan recommends replacing and/or resizing the Covered Bridge Abutments.

The following matrix provides an overview of the hazard:

Hazard	Location	Vulnerability	Extent	Impact	Probability
Fluvial erosion	West Hill Road, Covered Bridge	Transportation infrastructure	Minimal	\$80,000 +/- (cost of previous repair)	Medium

6.2 Local Areas of Concern

The meeting provided input on Local Areas of Concern (Map Attached).

7. Existing Hazard Mitigation Programs, Projects & Activities

The ongoing or recently completed programs, projects and activities are listed by mitigation strategy.

Community Preparedness Activities

- Rapid Response Plan
- Capital Equipment Plan

Insurance Programs

- Participation in NFIP

Land use Planning/Management

- Warren Town Plan, 2005
- Town of Warren Land Use Regulation, 2005
- Fluvial Geomorphology Assessment, 2007
- Upper River Corridor Plan, January 2008

Hazard Control & Protective Works of Infrastructure and Critical Facilities

- Maintenance Programs (Culvert and Bridge Survey)
- AOT Codes and Standards for Roads
- 2002 Bridge Study
- Dry Hydrants
- Red Cross Certified emergency Shelters

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Public Awareness, Training & Education

- CPR Trainings
- School Fire Safety Program
- Public awareness road safety signs

8. Identified Hazard Mitigation Programs, Projects & Activities

Hazard mitigation programs, projects and activities that were identified for implementation at the Warren PDM meeting:

- Relocate a section of West Hill Road away from eroding stream bank
- Reface or replace the Covered Bridge abutment
- Identify and become knowledgeable of non-compliant NFIP structures

The Town is currently in the process of reviewing and considering the adoption of a Fluvial Erosion Hazard Overlay Zone which would prohibit future development within areas susceptible to fluvial erosion. And as mention above new DFRIM maps are in the process of being reviewed by towns in Washington County, as part of this FEMA map modernization process. AS part of the process towns will be required to review and update current hazard regulations to improve floodplain management. The Town will continue activities related to continued to NFIP compliance including requiring elevation certificates and enhancing local officials, builders, developers and local citizen's knowledge of how to read and interpret the FIRM through the Design Review process.

The Hazard Mitigation Activities Matrix (Attached) lists mitigation activities in regards to local leadership, possible resources, implementation tools, and prioritization. Prioritization was set during the December 18, 2008 and was based upon the economic impact of the action, the Community's need to address the issue, the action's cost, and the availability of potential funding. The action's cost was evaluated in relation to its benefit. In addition to the identified mitigation strategies the Town of Warren will continue activities to ensure compliance with the National Flood Insurance Program (NFIP) by enhancing local officials, builders, developers, local citizens and other stakeholders' knowledge of how to read and interpret the Flood Insurance Rate Maps and participate in NFIP training offered by the State and/or FEMA that addresses flood hazard planning and management. The Town of Warren is in the process of gathering data and developing a Fluvial Erosion Hazard Overlay zone and may consider updating the PDM plan based upon the outcomes of this initiative.

A High prioritization denotes that the action is either critical or potential funding is readily available and should have a timeframe of implementation of less than two years. A Medium prioritization is warranted where the action is less critical or the potential funding is not readily available and has a timeframe for implementation of more than two years but less then four. A Low prioritization indicates that the timeframe for implementation of the action, given the action's

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cost, availability of funding, and the community's need to address the issue, is more than four years.

In situations where planning mechanisms exist to implement the identified action, they are highlighted in the Implementation Tools column. Where no implementation tool exists, the action shall be implemented by the Town Select Board.

9. Plan Maintenance Process

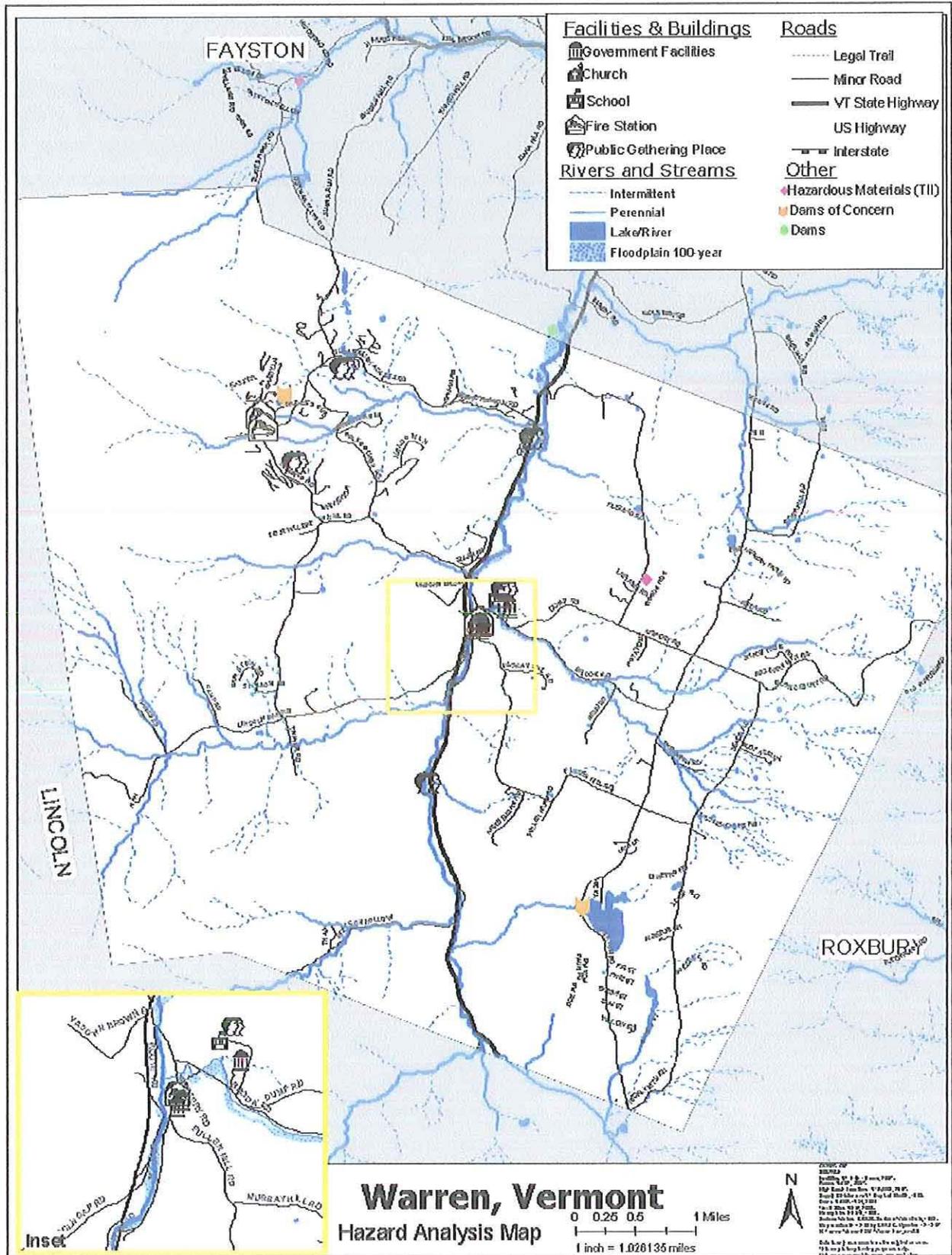
This newly written Warren Pre-Disaster Mitigation Plan should be evaluated, updated and monitored every five years or following each federally declared disaster in Washington County, Vermont. Evaluating, updating and monitoring include reviewing activities to ensure that are being completed as scheduled. The successful long-term appropriateness of the Plan is dependent on the availability of funding sources to fulfill this task. The *Central Vermont Pre-Disaster Mitigation Plan, Warren Annex* should be evaluated and updated either every five years according to FEMA regulations and requirements.

- The Warren Emergency Management Chairman will coordinate this assignment by public notices and community meetings as describes in Section 5: Planning Process section of this plan.
- The process of evaluating and updating the plan will include continued public participation through the inclusion of stakeholders and may include changes in community mitigation strategies, progress in implementation of initiatives and projects, effectiveness of implemented projects or initiatives, and evaluation of challenges and opportunities. If new actions are identified community actions can be amended without formal adoption.
- The Town of Warren shall consider incorporation of this Central Vermont Pre-Disaster Mitigation Plan, Warren Annex into the municipal plan as well as incorporation of proposed new mitigation actions into the municipality's long term planning process.

10. Attachments

- Hazards Analysis Map
- Areas of Local Concern Map
- Hazard Mitigation Activities Matrix
- Town Resolution Adopting the Plan

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Hazard Mitigation Activities Matrix				
Mitigation Action	Local Leadership	Prioritization	Possible Resources	Implementation Tools
Relocate a section of West Hill Road away from eroding stream bank	- Road Forman - Town Admin. - Dept. of Public Works	High	Hazard Mitigation Grant Program	
Reface or replace the Covered Bridge abutment	- Dept. of Public Works	Medium	Hazard Mitigation Grant Program	
Identify and become knowledgeable of non-compliant NFIP structures	- Zoning Administrator	Medium	Vermont Floodplain Management Coordinator (VT DEC)	

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LOCAL MITIGATION PLAN REVIEW CROSSWALK

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Plan Submission	Title of Plan: Central Vermont Pre-Disaster Mitigation Plan – Town of Warren Annex					Date of Plan:				
	Local Point of Contact:				Address:					
	Title:									
	Agency:									
Phone Number:			E-Mail:							
State Reviewer:			Title:			Date of State Review:				
FEMA Review	FEMA Review 1			FEMA Review 2			FEMA Review 3			
	Date Received at FEMA:			Date Received at FEMA:			Date Received at FEMA:			
			Not Approved			Not Approved				
	X		Approved			Approved				
Date Reviewed:			Date Reviewed:			Date Reviewed:				
Jurisdiction Information	Jurisdiction(s)					DFIRM in Plan?		NFIP Participation		
						Yes	No	Yes	No	Not Mapped
	1. Town of Warren Conditionally Approved October 15, 2009						✓	✓		
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	3.									
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	9.									
	10.									
	11.									
12.										
Attach pages with additional jurisdictions as needed										

LOCAL MITIGATION PLAN REVIEW CROSSWALK

Jurisdiction Information (continued)	Jurisdictions (continued)	DFIRM in Plan?		NFIP Participation			
		Yes	No	Yes	No	Not Mapped	CRS Class
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Attach pages with additional jurisdictions as needed							

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Jurisdiction Information (continued)

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LOCAL MITIGATION PLAN REVIEW CROSSWALK

LOCAL MITIGATION PLAN REVIEW SUMMARY

The plan cannot be approved if the plan has not been formally adopted. Each requirement includes separate elements. All elements of the requirement must be rated "Satisfactory" in order for the requirement to be fulfilled and receive a score of "Satisfactory." Elements of each requirement are listed on the following pages of the Plan Review Crosswalk. A "Needs Improvement" score on elements shaded in gray (recommended but not required) will not preclude the plan from passing. Reviewer's comments must be provided for requirements receiving a "Needs Improvement" score.

SCORING SYSTEM - Please check one of the following for each requirement.

N – Needs Improvement: The plan does not meet the minimum for the requirement. Reviewer's comments must be provided.

S – Satisfactory: The plan meets the minimum for the requirement. Reviewer's comments are encouraged, but not required.

Prerequisite(s) (Check Applicable Box)	Not Met	
	Met	Met
1. Adoption by the Local Governing Body: §201.6(c)(5)	N/A	

OR

2. Multi-Jurisdictional Plan Adoption: §201.6(c)(5) AND	x	
3. Multi-Jurisdictional Planning Participation: §201.6(a)(3)		x

Planning Process

N S

4. Documentation of the Planning Process: §201.6(b) and §201.6(c)(1)		x
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Risk Assessment

N S

5. Identifying Hazards: §201.6(c)(2)(i)		x
6. Profiling Hazards: §201.6(c)(2)(i)		x

Assessing Vulnerability

7. Overview: §201.6(c)(2)(ii)		x
8. Addressing Repetitive Loss Properties. §201.6(c)(2)(ii)		x
9. Identifying Structures, Infrastructure, and Critical Facilities: §201.6(c)(2)(ii)(B)	x	
10. Estimating Potential Losses: §201.6(c)(2)(ii)(B)		x
11. Analyzing Development Trends: §201.6(c)(2)(ii)(C)		x
12. Multi-Jurisdictional Risk Assessment: §201.6(c)(2)(iii)	N/A	N/A

Mitigation Strategy

N S

13. Local Hazard Mitigation Goals: §201.6(c)(3)(i)		x
14. Identification and Analysis of Mitigation Actions: §201.6(c)(3)(ii)		x
15. Identification and Analysis of Mitigation Actions: NFIP Compliance. §201.6(c)(3)(ii)		x
16. Implementation of Mitigation Actions: §201.6(c)(3)(iii)		x
17. Multi-Jurisdictional Mitigation Actions: §201.6(c)(3)(iv)	N/A	N/A

Plan Maintenance Process

N S

18. Monitoring, Evaluating, and Updating the Plan: §201.6(c)(4)(ii)		x
19. Incorporation into Existing Planning Mechanisms: §201.6(c)(4)(ii)		x
20. Continued Public Involvement: §201.6(c)(4)(iii)		x

Additional State Requirements*

N S

21. (insert)		
22. (insert)		
23. (insert)		

*States that have additional requirements can add them in the appropriate sections of the Local Multi-Hazard Mitigation Planning Guidance or create a new section and modify this Plan Review Crosswalk to record the score for those requirements.

LOCAL MITIGATION PLAN APPROVAL STATUS

Not Approved *	Approved
	X**

* (see reviewer's comments)

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LOCAL MITIGATION PLAN REVIEW CROSSWALK

PREREQUISITES

1. Adoption by the Local Governing Body

Requirement §201.6(c)(5): [The local hazard mitigation plan shall include] documentation that the plan has been formally adopted by the governing body of the jurisdiction requesting approval of the plan (e.g., City Council, County Commissioner, Tribal Council).

Element	Location in Plan (section & page #)	Reviewer's Comments	Score	
			Not Met	Met
A. Has the local governing body adopted new or updated plan?	Not Found	Required Revision: It is highly recommended that the Plan gain conditional approval from FEMA before it is officially adopted by the local governing body. Once conditionally approved, the Plan must be adopted by the local governing body of the jurisdiction. This could be a Board of Selectmen, Town Council, City Council, County Commissioners, Tribal Council, etc.	N/A	N/A
B. Is supporting documentation, such as a resolution, included?	Draft Certificate of Adoption – page 13	Required Revision: The Plan must include a copy of the adoption documentation—dated, signed by the appropriate members of the local governing body, and preferably stamped/sealed by the Town or City Clerk (or equivalent)—in order to document that the Plan has been adopted.	N/A	N/A
SUMMARY SCORE			N/A	N/A

2. Multi-Jurisdictional Plan Adoption

Requirement §201.6(c)(5): For multi-jurisdictional plans, each jurisdiction requesting approval of the plan must document that it has been formally adopted.

Element	Location in Plan (section & page #)	Reviewer's Comments	Score	
			Not Met	Met
A. Does the new or updated plan indicate the specific jurisdictions represented in the plan?	N/A		N/A	N/A
B. For each jurisdiction, has the local governing body adopted the new or updated plan?	Not Found	It appears that the Town of Warren's Annex to the Central Vermont Mitigation Plan is part of a multi-jurisdictional plan. Required Revision: It is highly recommended that the Plan gain conditional approval from FEMA before it is officially adopted by the local governing body. Once conditionally approved, the Plan must be adopted by the local governing body of the jurisdiction. This could be a Board of Selectmen, Town Council, City Council, County Commissioners, Tribal Council, etc.	x	
C. Is supporting documentation, such as a resolution, included for each participating jurisdiction?	Draft Certificate of Adoption – page 13	It appears that the Town of Warren's Annex to the Central Vermont Mitigation Plan is part of a multi-jurisdictional plan. Required Revision: The Plan must include a copy of the adoption documentation—dated, signed by	x	

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LOCAL MITIGATION PLAN REVIEW CROSSWALK

		the appropriate members of the local governing body, and preferably stamped/sealed by the Town or City Clerk (or equivalent)—in order to document that the Plan has been adopted.		
SUMMARY SCORE			x	

3. Multi-Jurisdictional Planning Participation

Requirement §201.6(a)(3): Multi-jurisdictional plans (e.g., watershed plans) may be accepted, as appropriate, as long as each jurisdiction has participated in the process ... Statewide plans will not be accepted as multi-jurisdictional plans.

Element	Location in Plan (section & page #)	Reviewer's Comments	Score	
			Not Met	Met
A. Does the new or updated plan describe how each jurisdiction participated in the plan's development?	N/A			X
B. Does the updated plan identify all participating jurisdictions, including new, continuing, and the jurisdictions that no longer participate in the plan?	N/A			X
SUMMARY SCORE				X

PLANNING PROCESS §201.6(b): An open public involvement process is essential to the development of an effective plan.

4. Documentation of the Planning Process

Requirement §201.6(b): In order to develop a more comprehensive approach to reducing the effects of natural disasters, the planning process shall include:

- (1) An opportunity for the public to comment on the plan during the drafting stage and prior to plan approval;
- (2) An opportunity for neighboring communities, local and regional agencies involved in hazard mitigation activities, and agencies that have the authority to regulate development, as well as businesses, academia and other private and non-profit interests to be involved in the planning process;
- (3) Review and incorporation, if appropriate, of existing plans, studies, reports, and technical information.

Requirement §201.6(c)(1): [The plan shall document] the planning process used to develop the plan, including how it was prepared, who was involved in the process, and how the public was involved.

Element	Location in Plan (section & page #)	Reviewer's Comments	Score	
			N	S
A. Does the plan provide a narrative description of the process followed to prepare the new or updated plan?	Planning Process – page 5	The Plan describes the process followed to prepare it.		x
B. Does the new or updated plan indicate who was involved in the current planning process? (For example, who led the development at the staff level and were there any external contributors such as contractors? Who participated on the plan committee, provided information, reviewed drafts, etc.?)	Planning Process – page 5	The Plan indicates who was involved in the planning process; however, the plan does not indicate who participated on the planning committee, who provided information, etc. Required Revision: The Plan must identify who participated on the planning team and who provided information for the plan.		x

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		The plan identifies who participated on the planning team and who provided information for the plan.		
C. Does the new or updated plan indicate how the public was involved? (Was the public provided an opportunity to comment on the plan during the drafting stage and prior to the plan approval?)	Planning Process – page 5	The Plan indicates that information was made available to the public, but does not include information regarding when they were involved, or what opportunities the public had to provide input into the plan. Required Revision: The Plan must indicate when the public was allowed to participate in the planning process and how they were allowed to provide input. The plan indicates how the public was provided an opportunity to comment on the plan.		x
D. Does the new or updated plan discuss the opportunity for neighboring communities, agencies, businesses, academia, nonprofits, and other interested parties to be involved in the planning process?	Planning Process – page 5	Required Revision: The Plan must explain how neighboring agencies, businesses, academia, nonprofits, and other interested parties were encouraged/invited to become involved in the planning process. The plan explains how neighboring agencies and businesses were given the opportunity to become involved in the planning process.		x
E. Does the planning process describe the review and incorporation, if appropriate, of existing plans, studies, reports, and technical information?	Planning Process – page 5	The Plan describes the review and incorporation of other plans, studies, reports, and technical information.		x
F. Does the updated plan document how the planning team reviewed and analyzed each section of the plan and whether each section was revised as part of the update process?	Not Found	The Plan does not identify if this is a newly written plan or an updated plan. Required Revision: If this is an updated plan, the Plan must document how the planning team reviewed and analyzed each section of the plan and whether each section was revised as part of the update process.	N/A	N/A
SUMMARY SCORE				x

RISK ASSESSMENT §201.6(c)(2): *The plan shall include a risk assessment that provides the factual basis for activities proposed in the strategy to reduce losses from identified hazards. Local risk assessments must provide sufficient information to enable the jurisdiction to identify and prioritize appropriate mitigation actions to reduce losses from identified hazards.*

5. Identifying Hazards

Requirement §201.6(c)(2)(i): *[The risk assessment shall include a] description of the type ... of all natural hazards that can affect the jurisdiction.*

Element	Location in Plan (section & page #)	Reviewer's Comments	Score	
			N	S
A. Does the new or updated plan include a description of all natural hazards that affect the jurisdiction?	Community Vulnerability by Hazard – pages 5-6	The Plan includes a description of the fluvial erosion hazard affecting the jurisdiction it represents. The Plan indicates flood, flash flood, structure fire, winter storm/ice storm, high wind, and earthquake are profiled in the Central Vermont Pre-Disaster Mitigation Plan.		x

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LOCAL MITIGATION PLAN REVIEW CROSSWALK

SUMMARY SCORE

x

6. Profiling Hazards

Requirement §201.6(c)(2)(i): [The risk assessment shall include a] description of the ... location and extent of all natural hazards that can affect the jurisdiction. The plan shall include information on previous occurrences of hazard events and on the probability of future hazard events.

Element	Location in Plan (section & page #)	Reviewer's Comments	Score	
			N	S
A. Does the risk assessment identify the location (i.e., geographic area affected) of each natural hazard addressed in the new or updated plan?	Community Vulnerability by Hazard – pages 5-7	The Plan's risk assessment identifies the location of the fluvial erosion hazard addressed. The Plan indicates flood, flash flood, structure fire, winter storm/ice storm, high wind, and earthquake are profiled in the Central Vermont Pre-Disaster Mitigation Plan.		x
B. Does the risk assessment identify the extent (i.e., magnitude or severity) of each hazard addressed in the new or updated plan?	Community Vulnerability by Hazard – pages 5-7	The Plan's risk assessment identifies the extent of the fluvial erosion hazard addressed. The Plan indicates flood, flash flood, structure fire, winter storm/ice storm, high wind, and earthquake are profiled in the Central Vermont Pre-Disaster Mitigation Plan.		x
C. Does the plan provide information on previous occurrences of each hazard addressed in the new or updated plan?	Community Vulnerability by Hazard – pages 5-7	The Plan's risk assessment provides information on a previous occurrence of the fluvial erosion hazard in 2006. Generally, a plan will include occurrences back 10 to 20 years. There is no indication of other occurrences. The Plan indicates flood, flash flood, structure fire, winter storm/ice storm, high wind, and earthquake are profiled in the Central Vermont Pre-Disaster Mitigation Plan. Required Revision: The Plan must include information regarding other occurrences of fluvial erosion, or indicate that no other erosion has occurred. The plan provides information on previous occurrences of each hazard addressed.		x
D. Does the plan include the probability of future events (i.e., chance of occurrence) for each hazard addressed in the new or updated plan?	Community Vulnerability by Hazard – pages 5-7	The Plan's risk assessment provides information on the probability of future events for the fluvial erosion hazard addressed. The Plan indicates flood, flash flood, structure fire, winter storm/ice storm, high wind, and earthquake are profiled in the Central Vermont Pre-Disaster Mitigation Plan.		x
SUMMARY SCORE				x

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LOCAL MITIGATION PLAN REVIEW CROSSWALK

7. Assessing Vulnerability: Overview

Requirement §201.6(c)(2)(ii): *[The risk assessment shall include a] description of the jurisdiction's vulnerability to the hazards described in paragraph (c)(2)(i) of this section. This description shall include an overall summary of each hazard and its impact on the community.*

Element	Location in Plan (section & page #)	Reviewer's Comments	Score	
			N	S
A. Does the new or updated plan include an overall summary description of the jurisdiction's vulnerability to each hazard?	Community Vulnerability by Hazard – pages 5-7	The Plan identifies that West Hill Road and the Covered Bridge could be affected by fluvial erosion. The Plan indicates flood, flash flood, structure fire, winter storm/ice storm, high wind, and earthquake are profiled in the Central Vermont Pre-Disaster Mitigation Plan.		x
B. Does the new or updated plan address the impact of each hazard on the jurisdiction?	Community Vulnerability by Hazard – pages 5-7	The Plan provides a general description of the potential impacts the identified hazard could have on the jurisdiction. The Plan indicates flood, flash flood, structure fire, winter storm/ice storm, high wind, and earthquake are profiled in the Central Vermont Pre-Disaster Mitigation Plan.		x
SUMMARY SCORE				x

8. Assessing Vulnerability: Addressing Repetitive Loss Properties

Requirement §201.6(c)(2)(ii): *[The risk assessment] must also address National Flood Insurance Program (NFIP) insured structures that have been repetitively damaged by floods.*

Element	Location in Plan (section & page #)	Reviewer's Comments	Score	
			N	S
A. Does the new or updated plan describe vulnerability in terms of the types and numbers of repetitive loss properties located in the identified hazard areas	Community Vulnerability by Hazard – page 6	The Plan indicates that there are no repetitive loss structures in the Town of Warren.		x
SUMMARY SCORE				x

9. Assessing Vulnerability: Identifying Structures

Requirement §201.6(c)(2)(ii)(A): *The plan should describe vulnerability in terms of the types and numbers of existing and future buildings, infrastructure, and critical facilities located in the identified hazard area ...*

Element	Location in Plan (section & page #)	Reviewer's Comments	Score (*)	
			N	S
A. Does the new or updated plan describe vulnerability in terms of the types and numbers of existing buildings, infrastructure, and critical facilities located in the identified hazard areas? (*)	Community Vulnerability by Hazard – pages 6-7	The Plan describes the jurisdiction's hazard vulnerability by identifying the types and numbers of existing infrastructure that could be affected by the identified hazard.		x
B. Does the new or updated plan describe vulnerability in terms of the types and numbers of future buildings, infrastructure, and critical facilities located in the identified hazard areas? (*)	Community Vulnerability by Hazard – pages 6-7	Recommended Revision: Describe the jurisdiction's vulnerability to the identified hazard by identifying the types and numbers of future structures that could be affected by a hazard event.	x	
SUMMARY SCORE			x	

* A "Needs Improvement" score on this requirement will not preclude the plan from passing

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10. Assessing Vulnerability: Estimating Potential Losses

Requirement §201.6(c)(2)(ii)(B): [The plan **should** describe vulnerability in terms of an] estimate of the potential dollar losses to vulnerable structures identified in paragraph (c)(2)(ii)(A) of this section and a description of the methodology used to prepare the estimate ...

Element	Location in Plan (section & page #)	Reviewer's Comments	Score (*)	
			N	S
A. Does the new or updated plan estimate potential dollar losses to vulnerable structures? (*)	Community Vulnerability by Hazard – page 7	The Plan describes potential dollar losses that measure the effects of hazards on vulnerable structures in the jurisdiction.		x
B. Does the new or updated plan describe the methodology used to prepare the estimate? (*)	Community Vulnerability by Hazard – page 7	The Plan describes the potential dollar losses on the basis of past repairs.		X
SUMMARY SCORE				x

* A "Needs Improvement" score on this requirement will not preclude the plan from passing

11. Assessing Vulnerability: Analyzing Development Trends

Requirement §201.6(c)(2)(ii)(C): [The plan **should** describe vulnerability in terms of] providing a general description of land uses and development trends within the community so that mitigation options can be considered in future land use decisions.

Element	Location in Plan (section & page #)	Reviewer's Comments	Score (*)	
			N	S
A. Does the new or updated plan describe land uses and development trends? (*)	Community Profile – pages 3-4	The Plan provides a description of land uses and development trends occurring within the jurisdiction.		x
SUMMARY SCORE				x

* A "Needs Improvement" score on this requirement will not preclude the plan from passing.

12. Multi-Jurisdictional Risk Assessment

Requirement §201.6(c)(2)(iii): For multi-jurisdictional plans, the risk assessment **must** assess each jurisdiction's risks where they vary from the risks facing the entire planning area.

Element	Location in Plan (section & page #)	Reviewer's Comments	Score	
			N	S
A. Does the new or updated plan include a risk assessment for each participating jurisdiction as needed to reflect unique or varied risks?	N/A		N/A	N/A
SUMMARY SCORE			N/A	N/A

LOCAL MITIGATION PLAN REVIEW CROSSWALK

MITIGATION STRATEGY §201.6(c)(3): The plan shall include a mitigation strategy that provides the jurisdiction’s blueprint for reducing the potential losses identified in the risk assessment, based on existing authorities, policies, programs and resources, and its ability to expand on and improve these existing tools.

13. Local Hazard Mitigation Goals

Requirement §201.6(c)(3)(i): [The hazard mitigation strategy shall include a] description of mitigation goals to reduce or avoid long-term vulnerabilities to the identified hazards.

Element	Location in Plan (section & page #)	Reviewer’s Comments	Score	
			N	S
A. Does the new or updated plan include a description of mitigation goals to reduce or avoid long-term vulnerabilities to the identified hazards?	Goals – page 2-3	The Plan includes mitigation goals to reduce or avoid long-term vulnerabilities to the identified hazards.		x
SUMMARY SCORE				x

14. Identification and Analysis of Mitigation Actions

Requirement §201.6(c)(3)(ii): [The mitigation strategy shall include a] section that identifies and analyzes a comprehensive range of specific mitigation actions and projects being considered to reduce the effects of each hazard, with particular emphasis on new and existing buildings and infrastructure.

Element	Location in Plan (section & page #)	Reviewer’s Comments	Score	
			N	S
A. Does the new or updated plan identify and analyze a comprehensive range of specific mitigation actions and projects for each hazard?	Identified Mitigation Programs, Projects, and Activities – pages 8 and 12	The Plan identifies only two actions, one of which gives no information to indicate that it is anything more than a maintenance issue. Required Revision: The plan must identify and analyze a range of mitigation actions for the identified hazard. The plan identifies and analyzes several different mitigation actions.		x
B. Do the identified actions and projects address reducing the effects of hazards on new buildings and infrastructure?	Identified Mitigation Programs, Projects, and Activities – pages 8 and 12	Required Revision: The Plan must include mitigation actions that address reducing the effects of hazards on new (i.e., soon to be or recently constructed) buildings, infrastructure, and assets in the jurisdiction. The plan discusses regulations currently in the works that will reduce the affects of hazards on new buildings.		x
C. Do the identified actions and projects address reducing the effects of hazards on existing buildings and infrastructure?	Identified Mitigation Programs, Projects, and Activities – pages 8 and 12	The Plan includes actions in the strategy that address mitigating existing infrastructure.		x
SUMMARY SCORE				x

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LOCAL MITIGATION PLAN REVIEW CROSSWALK

15. Identification and Analysis of Mitigation Actions: National Flood Insurance Program (NFIP) Compliance

Requirement: §201.6(c)(3)(ii): [The mitigation strategy] must also address the jurisdiction's participation in the National Flood Insurance Program (NFIP), and continued compliance with NFIP requirements, as appropriate.

Element	Location in Plan (section & page #)	Reviewer's Comments	Score	
			N	S
A. Does the new or updated plan describe the jurisdiction (s) participation in the NFIP?	Community Profile – page 4; Community Vulnerability by Hazard – page 6	The Plan indicates that the community participates in the NFIP and has adopted a Flood Hazard Overlay District to prevent or minimize hazards to life and property due to flooding.		X
B. Does the mitigation strategy identify, analyze and prioritize actions related to continued compliance with the NFIP?	Existing Hazard Mitigation Programs, Projects, and Activities – pages 7, 8, and 12	The Plan includes a discussion regarding continued compliance, but does not include actions dealing with continued compliance with the NFIP. Required Revision: The mitigation must include a strategy that identifies, analyzes, and prioritizes actions related to continued compliance with the NFIP. Plan addresses one action related to continued compliance in the NFIP.		X
SUMMARY SCORE				X

16. Implementation of Mitigation Actions

Requirement: §201.6(c)(3)(iii): [The mitigation strategy section shall include] an action plan describing how the actions identified in section (c)(3)(ii) will be prioritized, implemented, and administered by the local jurisdiction. Prioritization shall include a special emphasis on the extent to which benefits are maximized according to a cost benefit review of the proposed projects and their associated costs.

Element	Location in Plan (section & page #)	Reviewer's Comments	Score	
			N	S
A. Does the new or updated mitigation strategy include how the actions are prioritized? (For example, is there a discussion of the process and criteria used?)	Identified Hazard Mitigation Programs, Projects, and Activities – pages 8 and 12	The Plan describes how the actions in the strategy were prioritized.		x
B. Does the new or updated mitigation strategy address how the actions will be implemented and administered, including the responsible department, existing and potential resources and the timeframe to complete each action?	Identified Hazard Mitigation Programs, Projects, and Activities – pages 8 and 12	The Plan addresses how the actions in the strategy will be implemented and administered.		x
C. Does the new or updated prioritization process include an emphasis on the use of a cost-benefit review to maximize benefits?	Identified Hazard Mitigation Programs, Projects, and Activities – pages 8 and 12	The Plan's prioritization process incorporates cost-benefit review.		x

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D. Does the updated plan identify the completed, deleted or deferred mitigation actions as a benchmark for progress, and if activities are unchanged (<i>i.e.</i> , deferred), does the updated plan describe why no changes occurred?	Not Found	The Plan does not identify if this is a newly written plan or an updated plan. Required Revision: If this is an updated plan, the Plan must identify the completed, deleted, or deferred mitigation actions, and if the activities are unchanged, why no activity has occurred.	N/A	N/A
SUMMARY SCORE				x

17. Multi-Jurisdictional Mitigation Actions

*Requirement §201.6(c)(3)(iv): For multi-jurisdictional plans, there **must** be identifiable action items specific to the jurisdiction requesting FEMA approval or credit of the plan.*

Element	Location in Plan (section & page #)	Reviewer's Comments	Score	
			N	S
A. Does the new or updated plan include identifiable action items for each jurisdiction requesting FEMA approval of the plan?	N/A		N/A	N/A
B. Does the updated plan identify the completed, deleted or deferred mitigation actions as a benchmark for progress, and if activities are unchanged (<i>i.e.</i> , deferred), does the updated plan describe why no changes occurred?	N/A		N/A	N/A
SUMMARY SCORE			N/A	N/A

PLAN MAINTENANCE PROCESS

18. Monitoring, Evaluating, and Updating the Plan

*Requirement §201.6(c)(4)(i): [The plan maintenance process **shall** include a] section describing the method and schedule of monitoring, evaluating, and updating the mitigation plan within a five-year cycle.*

Element	Location in Plan (section & page #)	Reviewer's Comments	Score	
			N	S
A. Does the new or updated plan describe the method and schedule for monitoring the plan, including the responsible department?	Plan Maintenance Process – page 9	The Plan does not describe the method and schedule for monitoring. Monitoring the Plan includes reviewing activities to ensure that they are being completed as scheduled. Required Revision: The method and schedule for monitoring the plan must be described, including the responsible party. Plan describes the method and schedule for monitoring the plan.		x
B. Does the new or updated plan describe the method and schedule for evaluating the plan,	Plan Maintenance Process – page 9	The Plan describes the method and schedule for evaluating it.		x

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including how, when and by whom (i.e. the responsible department)?				
C. Does the new or updated plan describe the method and schedule for updating the plan within the five-year cycle?	Plan Maintenance Process – page 9	The Plan describes the method and schedule for updating it within 5 years from the date that it receives formal FEMA approval. Recommended Revision: Include a scheduled start date to update the Plan to ensure that it is updated prior to the lapse of the 5-year approval period.		x
SUMMARY SCORE				x

19. Incorporation into Existing Planning Mechanisms

Requirement §201.6(c)(4)(ii): [The plan shall include a] process by which local governments incorporate the requirements of the mitigation plan into other planning mechanisms such as comprehensive or capital improvement plans, when appropriate.

Element	Location in Plan (section & page #)	Reviewer's Comments	Score	
			N	S
A. Does the new or updated plan identify other local planning mechanisms available for incorporating the mitigation requirements of the mitigation plan?	Plan Maintenance Process – page 9; Town Plan Goals and Objectives – page 3; Community Profile – pages 3-4	The Plan identifies other local planning mechanisms available for incorporating the requirements of the mitigation plan.		x
B. Does the new or updated plan include a process by which the local government will incorporate the mitigation strategy and other information contained in the plan (e.g., risk assessment) into other planning mechanisms, when appropriate?	Not Found	Although the Plan includes a discussion of other planning mechanisms, it does not include a process for incorporating mechanisms into the Plan. Required Revision: The Plan must include a process by which the local government will incorporate the mitigation strategy and other information contained in the plan (e.g., risk assessment) into other planning mechanisms, when appropriate. The plan describes how the local government will incorporate the mitigation plan into other planning mechanisms.		x
C. Does the updated plan explain how the local government incorporated the mitigation strategy and other information contained in the plan (e.g., risk assessment) into other planning mechanisms, when appropriate?	Not Found	The Plan does not identify if this is a newly-written plan or an updated plan. Required Revision: If this is an updated plan, the Plan must explain how the local government incorporated the mitigation strategy and other information contained in the Plan into other planning mechanisms, where appropriate.	N/A	N/A
SUMMARY SCORE				x

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20. Continued Public Involvement

Requirement §201.6(c)(4)(iii): [The plan maintenance process **shall** include a] discussion on how the community will continue public participation in the plan maintenance process.

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Element	Location in Plan (section & page #)	Reviewer's Comments	Score	
			N	S
A. Does the new or updated plan explain how continued public participation will be obtained? (For example, will there be public notices, an on-going mitigation plan committee, or annual review meetings with stakeholders?)	Plan Maintenance – Page 9	The Plan states that the public will be involved in the update process, but does not explain how the participation will be obtained. Required Revision: The Plan must explain how continued public participation in the update process will be obtained. The plan explains how continued public participation will be obtained.		x
SUMMARY SCORE				x

X

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MATRIX A: PROFILING HAZARDS

This matrix can assist FEMA and the State in scoring each hazard. Local jurisdictions may find the matrix useful to ensure that their plan addresses each natural hazard that can affect the jurisdiction. **Completing the matrix is not required.**

Note: First, check which hazards are identified in requirement §201.6(c)(2)(i). Then, place an "X" in either the N or S box for each applicable hazard. An "N" for any element of any identified hazard will result in a "Needs Improvement" score for this requirement. List the hazard and its related shortcoming in the comments section of the Plan Review Crosswalk.

Hazard Type	Hazards Identified Per Requirement §201.6(c)(2)(i)		A. Location		B. Extent		C. Previous Occurrences		D. Probability of Future Events	
	Not a Hazard	Yes	N	S	N	S	N	S	N	S
Avalanche	x									
Coastal Erosion	x									
Coastal Storm	x									
Dam Failure	x									
Drought	x									
Earthquake		x								
Expansive Soils	x									
Levee Failure	x									
Flood & Flash Flood		x								
Hailstorm	x									
Hurricane	x									
Land Subsidence	x									
Landslide	x									
Severe Winter Storm		x								
Tornado	x									
Tsunami	x									
Volcano	x									
Wildfire & Structure Fire		x								
Windstorm & High Wind		x								
Other: Fluvial Erosion		x		x		x		x		x
Other:										
Other:										

Legend:

§201.6(c)(2)(i) Profiling Hazards

- A. Does the risk assessment identify the location (*i.e.*, geographic area affected) of each hazard addressed in the **new or updated** plan?
- B. Does the risk assessment identify the extent (*i.e.*, magnitude or severity) of each hazard addressed in the **new or updated** plan?
- C. Does the plan provide information on previous occurrences of each natural hazard addressed in the **new or updated** plan?
- D. Does the plan include the probability of future events (*i.e.*, chance of occurrence) for each hazard addressed in the plan?

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MATRIX B: ASSESSING VULNERABILITY

This matrix can assist FEMA and the State in scoring each hazard. Local jurisdictions may find the matrix useful to ensure that the new or updated plan addresses each requirement **Completing the matrix is not required.**

Note: First, check which hazards are identified in requirement §201.6(c)(2)(i). Then, place an "X" in either the S box "Satisfactory" or the N box "Needs Improvement" for each applicable hazard. An "N" for any element of any identified hazard will result in a "Needs Improvement" score for this requirement. List the hazard and its related shortcoming in the comments section of the Plan Review Crosswalk. Note: Receiving an N in the shaded columns will not preclude the plan from passing.

Hazard Type	Hazards Identified Per Requirement §201.6(c)(2)(i)		§201.6(c)(2)(ii) Overview				§201.6(c)(2)(ii)(A) Identifying Structures (types and estimated number)				§201.6(c)(2)(ii)(B) Estimating Potential Losses			
	Not a Hazard	Yes	A. Description of Vulnerability		B. Hazard Impact		A. Existing Structures		B. Future Structures		A. Loss Estimate		B. Methodology	
			N	S	N	S	N	S	N	S	N	S		
Avalanche	x													
Coastal Erosion	x													
Coastal Storm	x													
Dam Failure	x													
Drought	x													
Earthquake		x												
Expansive Soils	x													
Levee Failure	x													
Flood & Flash Flood		x												
Hailstorm	x													
Hurricane	x													
Land Subsidence	x													
Landslide	x													
Severe Winter Storm		x												
Tornado	x													
Tsunami	x													
Volcano	x													
Wildfire & Structure Fire		x												
Windstorm & High Wind		x												
Other: Fluvial Erosion		x		x				x		x			x	
Other:														
Other:														

Legend:

§201.6(c)(2)(ii) Assessing Vulnerability: Overview

- A. Does the new or updated plan include an overall summary description of the jurisdiction's vulnerability to each hazard?
- B. Does the new or updated plan address the impact of each hazard on the jurisdiction?

§201.6(c)(2)(ii)(A) Assessing Vulnerability: Identifying Structures in Hazard Area

- A. Does the new or updated plan describe vulnerability in terms of the types and numbers of existing buildings, infrastructure, and critical facilities located in the identified hazard areas?

- B. Does the new or updated plan describe vulnerability in terms of the types and numbers of future buildings, infrastructure, and critical facilities located in the identified hazard areas?

§201.6(c)(2)(ii)(B) Assessing Vulnerability: Estimating Potential Losses

- A. Does the new or updated plan estimate potential dollar losses to vulnerable structures?
- B. Does the new or updated plan describe the methodology used to prepare the estimate?

MATRIX C: IDENTIFICATION AND ANALYSIS OF MITIGATION ACTIONS

This matrix can assist FEMA and the State in scoring each hazard. Local jurisdictions may find the matrix useful to ensure consideration of a range of actions for each hazard. **Completing the matrix is not required.**

Note: First, check which hazards are identified in requirement §201.6(c)(2)(i). Then, place an "X" in either the N or S box for each applicable hazard. An "N" for any identified hazard will result in a "Needs Improvement" score for this requirement. List the hazard and its related shortcoming in the comments section of the Plan Review Crosswalk.

Hazard Type	Hazards Identified Per Requirement §201.6(c)(2)(i)		A. Comprehensive Range of Actions and Projects	
	Not a Hazard	Yes	N	S
Avalanche	x			
Coastal Erosion	x			
Coastal Storm	x			
Dam Failure	x			
Drought	x			
Earthquake		x		
Expansive Soils	x			
Levee Failure	x			
Flood & Flash Flood		x		
Hailstorm	x			
Hurricane	x			
Land Subsidence	x			
Landslide	x			
Severe Winter Storm		x		
Tornado	x			
Tsunami	x			
Volcano	x			
Wildfire & Structure Fire		x		
Windstorm & High Wind		x		
Other: Fluvial Erosion		x		x
Other:				
Other:				

Legend:

§201.6(c)(3)(ii) Identification and Analysis of Mitigation Actions

A. Does the new or updated plan identify and analyze a comprehensive range of specific mitigation actions and projects for each hazard?

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LOCAL MITIGATION PLAN REVIEW CROSSWALK

OTHER COMMENTS

Note Number	Comments
1.	Except for Fluvial Erosion, all other hazards are referenced as part of the multijurisdictional plan, and are not otherwise referenced in the Warren Annex.
2.	
3.	
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