

LOCAL MITIGATION PLAN REVIEW TOOL

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: Klickitat County, Washington	Title of Plan: 2020 Multi-Hazard Mitigation Plan Klickitat County, Washington	Date of Plan: 4/2/2020
Local Point of Contact: Jeff King	Address: 228 West Main St, MS CH-19 Goldendale, WA 98620	
Title: Emergency Management Director		
Agency: Klickitat County Department of Emergency Management		
Phone Number: 509-773-4545	E-Mail: emergencymanagement@klickitatcounty.org	

State Reviewer:	Title:	Date:
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FEMA Reviewer: Josh Vidmar Kate Skaggs John Schelling John.Schelling@fema.dhs.gov	Title: CERC Planner Mitigation Champion Regional Hazard Mitigation Planning Manager	Date: 04/09/2020 05/05/2020 05/13/2020; 6/24/2020
Date Received in FEMA Region (insert #)	04/03/2020	
Plan Not Approved	05/13/2020	
Plan Approvable Pending Adoption	07/30/2020	
Plan Approved		

SECTION 1

MULTI-JURISDICTION SUMMARY SHEET (OPTIONAL)

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 Process	B. Hazard Identification & Risk Assessment	C. Mitigation Strategy	D. Plan Review, Evaluation & Implementation	E. Plan Adoption	F. State Requirements
1	Klickitat County	County	Jeff King		jeffk@klickitatcounty.org	509-773-0582	Y	Y	Y	N/A	APA	
2	Goldendale	City	Mike Canon		mcanon@ci.goldendale.wa.us	509-250-0431	Y	Y	Y	N/A	APA	
3	White Salmon	City	Bill Hunsaker		billh@ci.whitesalmon.wa.us	509-493-1133	Y	Y	Y	N/A	APA	
4	Bingen	City	David Spratt				Y	Y	Y	N/A	APA	
5	Klickitat Valley Health	Stakeholder	Jonathan Lewis		jlewis@kvhealth.net	509-261-1004	Y	Y	Y	N/A	APA	
6	Central Klickitat Conservation District	Stakeholder	Loren Meagher		lm@ckcd.org	509-773-5823 ext. 111	Y	Y	Y	N/A	APA	
7	Eastern Klickitat Conservation District	Stakeholder	Loren Meagher		lm@ckcd.org	509-773-5823 ext. 111	Y	Y	Y	N/A	APA	

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 Process	B. Hazard Identification & Risk Assessment	C. Mitigation Strategy	D. Plan Review, Evaluation & Implementation	E. Plan Adoption	F. State Requirements
8	Underwood Conservation District	Stakeholder	Dan Richardson		dan@ucdwa.org	509-493-1936	Y	Y	Y	N/A	APA	

SECTION 2:

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 Sec. 4, Regulation Checklist.

1. REGULATION CHECKLIST		Location in Plan (Sec. 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))	Ch. 1, p. 1; Ch. 2, pp. 11-14; App. 3, pp. 276-286, App. 4, pp. 287-298	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))	Ch. 1, p. 1; Ch. 2, pp. 11-12; App. 3, pp. 276-286	X			
A3. Does the Plan document how the public was involved in the planning process during the drafting stage? (Requirement §201.6(b)(1))	Ch. 2, pp. 14-15	X			
A4. Does the Plan describe the review and incorporation of existing plans, studies, reports, and technical information? (Requirement §201.6(b)(3))	Ch. 1, pp. 3-5	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))	Ch. 2, p. 16	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))	Ch. 1, p. 9; Ch. 2, pp. 15-16	X			
<u>ELEMENT A: REQUIRED REVISIONS</u>					

1. REGULATION CHECKLIST		Location in Plan (Sec. 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))	Ch. 4, pp. 39-214	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))	Ch. 4, pp. 39-214	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))	Ch. 4, p. 44, 39-214	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))	Ch. 4, pp. 63-64	X			
<u>ELEMENT B: REQUIRED REVISIONS</u>					
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))	Ch. 1, pp. 3-5; Ch. 5, pp. 219-220	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))	Ch. 1, p. 10; Ch. 4, pp. 62-64	X			
C3. Does the Plan include goals to reduce/avoid long-term vulnerabilities to the identified hazards? (Requirement §201.6(c)(3)(i))	Ch. 1, pp. 2-3; Ch. 5, pp. 217-218	X			
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))	Ch. 5, pp. 222-249	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))	Ch. 2, pp. 15-16; Ch. 5, pp. 215-216; App. 5, pp. 299-302	X			

1. REGULATION CHECKLIST		Location in Plan (Sec. and/or page number)		Met	Not Met
Regulation (44 CFR 201.6 Local Mitigation Plans)					
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))		Ch. 1, pp. 5-6; Ch. 5, p. 221, 247-249		X	
<u>ELEMENT C: REQUIRED REVISIONS</u>					
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))		N/A. This is a new plan.			
D2. Was the plan revised to reflect progress in local mitigation efforts? (Requirement §201.6(d)(3))		N/A. This is a new plan.			
D3. Was the plan revised to reflect changes in priorities? (Requirement §201.6(d)(3))		N/A. This is a new plan.			
<u>ELEMENT D: REQUIRED REVISIONS</u>					
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(c)(5))		p. 1			
E2. For multi-jurisdictional plans, has each jurisdiction requesting approval of the plan documented formal plan adoption? (Requirement §201.6(c)(5))		p. 1			
<u>ELEMENT E: REQUIRED REVISIONS</u>					
ELEMENT F. ADDITIONAL STATE REQUIREMENTS (OPTIONAL FOR STATE REVIEWERS ONLY; NOT TO BE COMPLETED BY FEMA)					

1. REGULATION CHECKLIST		Location in Plan	
Regulation (44 CFR 201.6 Local Mitigation Plans)	(Sec. and/or page number)	Met	Not Met
F1.			
F2.			
<u>ELEMENT F: REQUIRED REVISIONS</u>			

SECTION 3: 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

Strengths:

- There is a thorough description of the planning process, and the layout makes it simple to understand.
- The planning team represents an incredibly diverse group of organizations and institutions that can play a role in hazard mitigation and further the implementation of the plan and its goals.
- The extremely in-depth assessment of the County and its communities provides a holistic understanding of the area. This provides important context for readers and those that use the plan.

Opportunities for Improvement:

- Consider listing the positions of those in the planning team in Chapter 2 so that it is easier for the reader to identify rather than going to the Appendix to look at the meeting sign-in sheets.
- Including images of press releases that were used to solicit input from the community would strengthen the evidence and documentation of public interaction.
- In future plan updates, be sure to include a list of those organizations and the point of contact who was invited to the planning process in addition to those who participated.

Element B: Hazard Identification and Risk Assessment

Strengths:

- There is an extensive and thorough profile for each hazard; including second-order hazards as a result of the primary hazard.
- The amount of maps allows the reader to understand where hazards could occur geographically, due to proximity to natural features and prior occurrences.

Opportunities for Improvement:

- Providing a list of all hazards and a short explanation of why the omitted hazards were not included could strengthen the Plan.
- Including more recent severe weather storm event narratives would showcase the frequency and severity of the hazard.

Element C: Mitigation Strategy

Strengths:

- Identifying the hazard each mitigation action is addressing improves the connection to the goals.
- Providing definitions for the headings of the action charts allows for thorough understanding of each entry.

Opportunities for Improvement:

- Two ways of prioritizing an action is not required, but if the “rank” method remains as a way to further prioritize actions, complete the section for all actions.
- Specify how the HMP will be incorporated into the Conservation District’s plans to strengthen the explanation of incorporation in all the jurisdictions’ future planning mechanisms.

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

Strengths:

- N/A. This is a new plan.

Opportunities for Improvement:

- N/A. This is a new plan.

B. Resources for Implementing Your Approved Plan

The **Region 10 Integrating Natural Hazard Mitigation into Comprehensive Planning** is a resource specific to Region 10 states and provides examples of how communities are integrating natural hazard mitigation strategies into comprehensive planning. You can find it in the FEMA Library at <http://www.fema.gov/media-library/assets/documents/89725>.

The **Integrating Hazard Mitigation Into Local Planning: Case Studies and Tools for Community Officials** resource provides 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. You can find it in the FEMA Library at <http://www.fema.gov/library/viewRecord.do?id=7130>.

The **Mitigation Ideas: A Resource for Reducing Risk from Natural Hazards** resource 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. You can find it in the FEMA Library at <http://www.fema.gov/library/viewRecord.do?id=6938>.

The **Local Mitigation Planning Handbook** provides guidance to local governments on developing or updating hazard mitigation plans to meet and go above the requirements. You can find it in the FEMA Library at <http://www.fema.gov/library/viewRecord.do?id=7209>.

The **Integration Hazard Mitigation and Climate Adaptation Planning: Case Studies and Lessons Learned** resource is a 2014 ICLEI publication for San Diego with a clear methodology that could assist in next steps for integration impacts of climate change throughout mitigation actions. <http://iclei.usa.org/wp-content/uploads/2015/08/Integrating-Hazard-Mitigation-and-Climate-Adaptation-Planning.pdf>

The **Local Mitigation Plan Review Guide and Tool** resource is available through FEMA's Library and should be referred to for the next plan update. <http://www.fema.gov/library/viewRecord.do?id=4859>

The **Tribal Multi-Hazard Mitigation Planning Guidance**: This resource is specific to tribal governments developing or updating tribal mitigation plans. It covers all aspects of tribal planning requirements and the steps to developing tribal mitigation plans. You can find the document in the FEMA Library at <http://www.fema.gov/media-library/assets/documents/18355>

Volcanic Eruption Mitigation Measures: For information on Mitigation Actions for Volcanic Eruptions that would satisfy the C4 requirement, please visit: <http://earthzine.org/2011/03/21/volcanic-crisis-management-and-mitigation-strategies-a-multi-risk-framework-case-study/> and <http://www.gvess.org/publ.html>.

The FEMA Region 10 **Risk Mapping, Analysis, and Planning program (Risk MAP)** releases a monthly newsletter that includes information about upcoming events and training opportunities, as well as hazard and risk related news from around the Region. Past newsletters can be viewed at <http://www.starr-team.com/starr/RegionalWorkspaces/RegionX/Pages/default.aspx>. If you would like to receive future newsletters, email rxnewsletter@starr-team.com and ask to be included.

The mitigation strategy may include eligible projects to be funded through FEMA's hazard mitigation grant programs (Pre-Disaster Mitigation, Hazard Mitigation Grant Program, and Flood Mitigation Assistance). Contact your State Hazard Mitigation Officer, Tim Cook at tim.cook@mil.wa.gov, for more information.