



FEMA

September 23, 2016

Honorable Harry K. Brower, Jr.
Mayor, North Slope County Commissioners
P.O. Box 69
Barrow, AK 99723

Dear Mayor Brower:

On September 21, 2016, the U.S. Department of Homeland Security's Federal Emergency Management Agency (FEMA), Region 10, approved the *North Slope Borough Local All-Hazard Mitigation Plan* as a multi-jurisdictional local plan as outlined in Code of Federal Regulations Title 44 Part 201. This approval provides the below jurisdiction eligibility to apply for the Robert T. Stafford Disaster Relief and Emergency Assistance Act's, Hazard Mitigation Assistance (HMA) grants projects through September 20, 2021, through your state:

North Slope Borough

FEMA individually evaluates all application requests for funding according to the specific eligibility requirements of the applicable program. Though a specific mitigation activity or project identified in the plan may meet the eligibility requirements, it may not automatically receive approval for FEMA funding under any of the aforementioned programs.

Over the next five years, we encourage your community to follow the plan's schedule for monitoring and updating, and to develop further mitigation actions. To continue eligibility, jurisdiction must review, revise as appropriate, and resubmit the plan within five years of the original approval date.

If you have questions regarding your plan's approval or FEMA's mitigation grant programs, please contact Michelle Torres, State Hazard Mitigation Officer with Alaska Division of Homeland Security and Emergency Management, at (907) 428-7032, who coordinates and administers these efforts for local jurisdictions.

Sincerely,

Mark Carey, Director
Mitigation Division

cc: Michelle Torres, Alaska Division of Homeland Security and Emergency Management
Enclosure

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APPENDIX A: 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: North Slope Borough	Title of Plan: Local Hazards Mitigation Plan	Date of Plan: October 2015
Local Point of Contact: Hina Kiloni	Address:	
Title: Disaster Coordinator	P.O. Box 1017 Barrow, Alaska 99723	
Agency: North Slope Borough		
Phone Number: 907-852-0248	E-Mail: Hina.kiloni@north-slope.org	

State Reviewer: Scott G. Nelsen	Title: Mitigation Planner	Date: 3 November 2015
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FEMA Reviewer: David Freeborn Kristen Meyers	Title: Mitigation Champion (CERC) Mitigation Planner	Date: 4 December 2015 13 December 2015
Date Received in FEMA Region X	3 November 2015	
Plan Not Approved		
Plan Approvable Pending Adoption	5 January 2016	
Plan Approved	September 21, 2016	

**SECTION 1:
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))	Acknowledgements, Section 2	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))	Section 2	X		
A3. Does the Plan document how the public was involved in the planning process during the drafting stage? (Requirement §201.6(b)(1))	Section 2, Appendix F	X		
A4. Does the Plan describe the review and incorporation of existing plans, studies, reports, and technical information? (Requirement §201.6(b)(3))	Section 2.4	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))	Section 2.5	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))	Section 2.5	X		
<u>ELEMENT A: REQUIRED REVISIONS</u>				
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 3	X		

<p>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))</p>	<p>Earthquake: History, Pg. 3-10 Probability Pg.3-13</p> <p>Erosion: History, Pg. 3-14 Probability Pg. 3-19</p> <p>Flood: History, Pg. 3-20 Probability Pg. 3-25</p> <p>Severe Weather: History, Pg. 3-26 Probability pg. 3-27</p> <p>Ivu: History, Pg. 3-27 Probability pg. 3-28</p> <p>Wildland Fire: History, Pg. 3-29 Probability pg. 3-31</p> <p>Ground Failure: History, Pg 3-33 Probability pg. 3-35</p>	<p>X</p>	
<p>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))</p>	<p>Earthquake: Impact & Extent 3-13</p> <p>Erosion: Extent & Impact 3-19</p> <p>Flood: Extent 3-23 Impact 3-24</p> <p>Severe Weather: Extent 3-26 Impact 3-27</p> <p>Ivu: Extent & Impact 3-28</p> <p>Wildland Fire Extent 3-30 Impact 3-31</p> <p>Ground Failure: Extent 3-34 Impact 3-35</p> <p>Section 4 Risk Analysis Appendix G</p>	<p>X</p>	

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 4.5 page 4-39	X	
ELEMENT B: REQUIRED REVISIONS			
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))	Section 5.1	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))	Section 4.5 page 4-39	X	
C3. Does the Plan include goals to reduce/avoid long-term vulnerabilities to the identified hazards? (Requirement §201.6(c)(3)(i))	Section 5.2	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))	Section 5.3	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))	Section 5.4, 5.5,	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))	Section 5.6	X	
ELEMENT C: REQUIRED REVISIONS			
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 4.6	X	
D2. Was the plan revised to reflect progress in local mitigation efforts? (Requirement §201.6(d)(3))	Section 5.3	X	
D3. Was the plan revised to reflect changes in priorities? (Requirement §201.6(d)(3))	Section 5	X	
ELEMENT D: REQUIRED REVISIONS			

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))			X
E2. For multi-jurisdictional plans, has each jurisdiction requesting approval of the plan documented formal plan adoption? (Requirement §201.6(c)(5))			X
<u>ELEMENT E: REQUIRED REVISIONS</u> Pending FEMA Review			
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

Element A: Planning Process

Plan Strengths

The planning process utilized a survey to solicit input from the community. This demonstrates a sincere effort to understand the issues relating to the plan.

Opportunities for Improvement

Additional details throughout the plan will improve the analysis and usefulness of the plan.

Provide an analysis of the information collected. Show what percentage of the community members responded, and how they responded based on individual responses.

Provide a more specific timeline of how communities took part in the process and the meetings/phone calls where major decisions were made. This will help in replicating the process in the 5-year update.

Element B: Hazard Identification and Risk Assessment

Opportunities for Improvement

A more thorough examination and details about the impacts and locations of the hazards would improve the plan.

The critical facilities are listed but it remains unclear how vulnerable, if at all, they are to the different hazards. Provide a map with overlays or a description for each community asset, as defined by the community, to show how vulnerable it is or isn't. The most vulnerable facilities should have a strategy developed to mitigate their risk.

Element C: Mitigation Strategy

Opportunities for Improvement

Provide a clear linkage between the areas that are most vulnerable and the mitigation strategies. Though the strategies seem specific, the risk assessment doesn't always support the strategies.

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

Plan Strengths

The plan has placeholders for the adoption documents.

Opportunities for Improvement

Provide a discussion of how changing conditions and opportunities could impact community resilience in the long term. Climate change adaptation should be considered.

B. Resources for Implementing Your Approved Plan

- 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 **Local Mitigation Planning Handbook** is available. While the requirements under §201.6 have not changed, the *Handbook* provides guidance to local governments on developing or updating hazard mitigation plans to meet the requirements is available through the FEMA Library website.
<http://www.fema.gov/library/viewRecord.do?id=7209>
- 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.
<http://www.fema.gov/library/viewRecord.do?id=6938>
- 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. <http://www.fema.gov/library/viewRecord.do?id=7130>
- The FEMA Region X Risk Mapping, Analysis, and Planning program (RiskMAP) 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, email rxnewsletter@starr-team.com.
- The mitigation strategy includes projects that are eligible for FEMA's grant programs. Contact the State Hazard Mitigation Officer, Ann Gravier, at ann.gravier@alaska.gov for application information.

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).

#	Jurisdiction Name	Jurisdiction Type	Comments	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	Anaktuvik Pass	City		Y	Y	Y	Y	N	N/A
2	Atqasuk	City		Y	Y	Y	Y	N	N/A
3	Barrow	City		Y	Y	Y	Y	N	N/A
4	Kaktovik	City		Y	Y	Y	Y	N	N/A
5	Nuiqsut	City		Y	Y	Y	Y	N	N/A

#	Jurisdiction Name	Jurisdiction Type	Comments	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
6	Point Hope	City		Y	Y	Y	Y	N	N/A
7	Wainwright	City		Y	Y	Y	Y	N	N/A
8	North Slope Borough	Borough		Y	Y	Y	Y	Y	N/A
9	Point Lay	Alaska Native Village	See Tribal Review						

<p>City of Atkasuk PO Box 91119 Atkasuk, AK 99791 cityofatkasuk@hotmail.com</p> <p>Mayor – Doug Whiteman Vice Mayor –Gail Wong</p> <p>Council Members Ethel Burke, Secretary Della Shugluk Fritz Kagak Jimmy Nayukok Bert Shugluk</p> <p>City Clerk Sherlene Kagak –City Clerk Amanda Brower - Asst. Clerk 1st Monday's @ 7pm 633-6811 – Office 633-6812 – Fax</p>	<p>City of Anaktuvuk Pass PO Box 21030 Anaktuvuk Pass, AK 99721 klwagner@cityofakp.org peburris@cityofakp.org</p> <p>Mayor – Thomas Rulland Vice Mayor – Justus Mekiana, Jr.</p> <p>Council Members James Nageak, Secretary Jack Ahgook, Jr., Treasurer Esther Hugo Lawrence Burris Della Tagarook</p> <p>City Clerk Kathy L. Wagner</p> <p>2nd Thursday's @ 7pm 661-3612/3619 – Office 661-3613 – Fax</p>	<p>City of Barrow PO Box 629 Barrow, AK 99723 Bertha.Akpik@cityofbarrow.org</p> <p>Mayor – Bob Harcharek</p> <p>Council Members Don A. Nungasak Robert F. Nageak Rebecca Brower Naomi Itta-Tomas George Olemaun Qaiyaan Harcharek</p> <p>City Clerk Bertha Akpik</p> <p>Last Thursday's @ 7 pm 852-5211 – Office 852-5871 – Fax</p>	<p>City of Kaktovik PO Box 27 Kaktovik, AI: 99747 cityofkaktovik@gmail.com</p> <p>Mayor – Anri'ie Tikluk Vice Mayor – Nora Jane Burns</p> <p>Council Members Margaret Kayotuk Fenton Rexford Joe Kalaak Matthew Fieford Carolyn Kulukhon</p> <p>City Clerk Tori Sims Assistant Clerk</p> <p>2nd Tuesday's @ 7 pm 640-6313 – Office 640-6314 – Fax</p>
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<p>City of Nuiqsut PO Box 89148 Nuiqsut, AK 99789 cityofnuiqsut@gmail.com</p> <p>Mayor – Thomas Napageak Jr. Vice Mayor – Rhoda Bennett</p> <p>Council Members Sarah Oyagak Jimmy Oyagak Samuel Kunaknana Carl Brower Dwayne Hopson, Sr.</p> <p>City Clerk Christine Bennett 1st Monday's @ 7 pm 480-6727 – Office 480-6928 – Fax</p>	<p>City of Pt. Hope PO Box 169 Pt. Hope, AK 99766 akphogov@hotmail.com</p> <p>Mayor – Alzred Steve Oomittuk Vice Mayor – Ronald W. Oviok, Sr.</p> <p>Council Members Daisy Sage– Secretary Jeffery Kowunna – Treasurer David U. Stone, Sr. Caroline P. Cannon. Jack W. Schaefer</p> <p>City Clerk Molly Omnik 3rd Wednesday's @ 4 pm Winter 2pm Summer 368-2537 – Office 368-2835 – Fax</p>	<p>Native Village of Pt. Lay PO Box 59031 Pt. Lay, AK 99759 pointlay@inupiatgov.com</p> <p>President – Julius M. Rexford Vice President – Thomas S. Nukapigak</p> <p>IRA Council Members Danny Pikok, Jr. Willard P. Neakok Fred O. Tuckfield</p> <p>ICAS Liaison Acting – Misty Plymale 1st Monday's scheduled thru Liaison 833-2575 – Office 833-2576 – Fax</p>	<p>City of Wainwright PO Box 9 Wainwright, AK 99782 wainwrightcity@gmail.com</p> <p>Mayor – John Hopson, Jr. Vice Mayor – Alma R. Bodfish</p> <p>Council Members Oliver Peetook Linda Agnasagga Sandra L. Peetook Enoch Oktolik Raymond Aguvluk, Jr.</p> <p>Manager/City Clerk Cheryl Tagarook Byrna Panik, Office Assistant 2nd Monday's @ 7 pm 763-2815 – Office 763-2811 – Fax</p>
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