

Appendix A:

Public Process. Appendix A documents the announcements, agendas, minutes, and sign-in sheets for meetings regarding implementation, maintenance, and updating of the Linn County NHMP.

The 2010 update built upon information included in the 2005 NHMP, so the majority of the work had been completed. The Committee asked for a stakeholders survey for the update process.

1. **page A-10 – A-12:** “2010 Public Participation” is added to this section.

Appendix B:

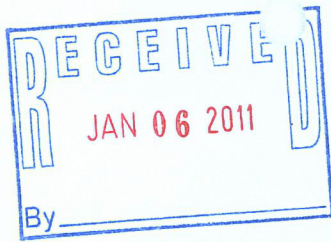
2010 Linn County NHMP Action Items. Appendix B includes all of the action items from the 2010 NHMP incorporated into action item worksheets. Included with the worksheets is a status bar indicating whether the action item has been completed or not completed. For those actions that have not been completed, the status bar indicates whether the actions are new or have been incorporated into the update and why.

Appendix C:

Economic Analysis on Natural Mitigation Projects: The appendix has been revised and uses the Oregon Partnership for Disaster Resilience appendix for economic analysis.

Appendix D.

DOGAMI Earthquake HAZUS model: The appendix has been changed to show the final HAZUS, whereas the 2005 plan showed the preliminary model.



U.S. Department of Homeland Security
Region X
130 228th Street, SW
Bothell, WA 98021-9796

FEMA

December 29, 2010

Honorable Roger Nyquist
Chair, Board of County Commissioners
300 Southwest 4th Avenue
Albany, Oregon 97231

	Read	Appr	Copy
Roger			
Will			
John			
Ralph			
File			

Robert W. Sheldon X

Dear Chair Nyquist:

The U.S. Department of Homeland Security's Federal Emergency Management Agency (FEMA) has approved the *Linn County Natural Hazard Mitigation Plan* as a local plan as outlined in 44 CFR Part 201. With approval of this plan, Linn County is now eligible to apply for the Robert T. Stafford Disaster Relief and Emergency Assistance Act's hazard mitigation project grants through December 29, 2015.

The plan's approval provides eligibility to apply for hazard mitigation projects through your State. All requests for funding will be evaluated individually according to the specific eligibility and other requirements of the particular program under which the application is submitted. For example, a specific mitigation activity or project identified in the plan may not meet the eligibility requirements for FEMA funding, and even eligible mitigation activities are not automatically approved for FEMA funding under any of the aforementioned programs. Approved mitigation plans may be eligible for points under the National Flood Insurance Program's Community Rating System (CRS). Additional information regarding the CRS can be found at www.fema.gov/business/nfip/crs.shtm or through your local floodplain manager.

Over the next five years, we encourage your community to follow the plan's schedule for its monitoring and updating, and to develop further mitigation actions. The plan must be reviewed, revised as appropriate, and resubmitted for approval within five years in order to continue project grant eligibility.

If you have questions regarding your plan's approval or FEMA's mitigation grant programs, please contact our State counterpart, Oregon Emergency Management Division, which coordinates and administers these efforts for local entities.

Sincerely,

Mark Carey, Director
Mitigation Division

cc: Dennis Sigrist, Oregon Emergency Management

Enclosure

BH:bb

Jurisdiction: Linn County

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
1. Adoption by the Local Governing Body: §201.6(c)(5) OR		N/A
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
Risk Assessment	N	S
5. Identifying Hazards: §201.6(c)(2)(i)		X
6. Profiling Hazards: §201.6(c)(2)(i)		X
7. Assessing Vulnerability: Overview: §201.6(c)(2)(ii)		X
8. Assessing Vulnerability: Addressing Repetitive Loss Properties: §201.6(c)(2)(ii)		X
9. Assessing Vulnerability: Identifying Structures, Infrastructure, and Critical Facilities: §201.6(c)(2)(ii)(B)		N/A
10. Assessing Vulnerability: Estimating Potential Losses: §201.6(c)(2)(ii)(B)		N/A
11. Assessing Vulnerability: Analyzing Development Trends: §201.6(c)(2)(ii)(C)		N/A
12. Multi-Jurisdictional Risk Assessment: §201.6(c)(2)(iii)		X

*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.

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)		X
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
Insert State Requirement		N/A
Insert State Requirement		N/A
Insert State Requirement		N/A

LOCAL MITIGATION PLAN APPROVAL STATUS

PLAN NOT APPROVED
See Reviewer's Comments
PLAN APPROVED
X

LOCAL HAZARD MITIGATION PLAN REVIEW CROSSWALK

FEMA REGION X

Jurisdiction: Linn County

Local Mitigation Plan Review and Approval Status

Jurisdiction: Linn County	Title of Plan: Linn County Natural Hazards Mitigation Plan	Date of Plan: September 7, 2010
Local Point of Contact: Olivia Glantz	Address: Linn County Oregon 300 SW 4TH AVE Albany, OR 97321	
Title: Assistant Planner		
Agency: Linn County Planning		
Phone Number: (541) 967-3816 ext. 2368	E-Mail: oglantz@co.linn.or.us	

State Reviewer:	Title:	Date:

FEMA Reviewer: Brett Holt	Title: Mitigation Planner	Date: October 21, 2010
Date Received in FEMA Region X	September 9, 2010	
Plan Not Approved		
Plan Approved	X	

Jurisdiction:	NFIP Status*			CRS Class
	Y	N	N/A	
1. Linn County	X			

* Notes: Y = Participating N = Not Participating N/A = Not Mapped

LOCAL HAZARD MITIGATION PLAN REVIEW CROSSWALK

FEMA REGION X

Jurisdiction: Linn County

PREREQUISITE(S)

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 the Plan (section or annex and page #)	Reviewer's Comments	SCORE	
			NOT MET	MET
A. Has the local governing body adopted new or updated plan?	N/A			N/A
B. Is supporting documentation, such as a resolution, included?	N/A			N/A
SUMMARY SCORE				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 the Plan (section or annex and page #)	Reviewer's Comments	SCORE	
			NOT MET	MET
A. Does the new or updated plan indicate the specific jurisdictions represented in the plan?	pp. 1-3 to 1-4	The list of jurisdictions is provided.		X
B. For each jurisdiction, has the local governing body adopted the new or updated plan?		The plan is adopted by the Board of County Commissioners.		X
C. Is supporting documentation, such as a resolution, included for each participating jurisdiction?		A resolution is submitted to FEMA.		X
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 the Plan (section or annex and 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?	pp. 1-2 to 1-6	The plan describes how each community participated or will participate. In addition, each jurisdiction is in the process of developing their respective addendum.		X
B. Does the updated plan identify all participating jurisdictions, including new, continuing, and the jurisdictions that no longer participate in the plan?	pp. 1-3 to 1-4	This plan is written for Linn County. Other jurisdictions will add to this at a later date.		X
SUMMARY SCORE				X

LOCAL HAZARD MITIGATION PLAN REVIEW CROSSWALK

FEMA REGION X

Jurisdiction: Linn County

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; and*
 - (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 the Plan (section or annex and 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?	pp. 1-3 to 1-4, Appendix A	A description of the planning process is provided.		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.?)	pp. 1-3 to 1-4	The plan indicates who was involved in the process.		X
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?)	p. 1-5 and Appendix A	The public was notified of the mitigation update process through press releases, notifications of community preparedness survey, announcements on Linn County's website and stakeholder's survey. The public was invited to participate in Steering Committee meetings.		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?	pp. 1-3 to 1-4	A number of jurisdictions are said to have participated in the process. Recommended Revision (Oct. 2010): When the participating jurisdictions develop their addendums, consider including a clear description on how they each participated within their respective addendum.		X
E. Does the planning process describe the review and incorporation, if appropriate, of existing plans, studies, reports, and technical information?	p. 1-6 and throughout the document	The plan describes a review of new studies, and provides a list of references throughout the plan.		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?	Appendix A	The plan update changes memo in Appendix A lists the changes made to the mitigation plan.		X
SUMMARY SCORE				X

LOCAL HAZARD MITIGATION PLAN REVIEW CROSSWALK

FEMA REGION X

Jurisdiction: Linn County

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 the Plan (section or annex and page #)	Reviewer's Comments	SCORE	
			N	S
A. Does the new or updated plan include a description of the types of all natural hazards that affect the jurisdiction?	p. 3-1	<p>The plan identifies six natural hazards that affect the community. The plan describes the process to identify the hazards.</p> <p>Recommended Revision (Oct. 2010): Wildland Fire (p. 8-7): Considering updating the 2007 wildland fire statistics to more current numbers. You can view them here http://www.nifc.gov/fire_info/fire_stats.htm.</p> <p>Drought: Consider referencing the U.S. Drought Monitor Index. It provides archives, current and future conditions for droughts. http://www.drought.unl.edu/dm/</p>		X
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 the Plan (section or annex and 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?	§ 6 - 11	The location of each hazard is identified in the risk assessment chapters of the 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?	§ 6 - 11	The extent of each hazard is identified in the risk assessment chapters of the mitigation plan.		X
C. Does the plan provide information on previous occurrences of each hazard addressed in the new or updated plan?	§ 6 - 11	The risk assessment chapters identify the previous occurrences of each hazard.		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?	§ 6 - 11	The risk assessment chapters indicate the probability of a future occurrence.		X
SUMMARY SCORE				X

LOCAL HAZARD MITIGATION PLAN REVIEW CROSSWALK

FEMA REGION X

Jurisdiction: Linn County

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 the Plan (section or annex and 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?	§ 6 - 11	Each risk assessment chapter provides a summary of the community's vulnerability to the hazard.		X
B. Does the new or updated plan address the impact of each hazard on the jurisdiction?	§ 6 - 11	Each risk assessment chapter provides a description of the impacts of the hazard on the jurisdiction.		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 floods.

Element	Location in the Plan (section or annex and 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?	p. 6-16	The plan includes a general list of repetitive flood loss properties.		X
SUMMARY SCORE				X

9. Assessing Vulnerability: Identifying Structures

Requirement §201.6(c)(2)(i)(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 the Plan (section or annex and 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?	§ 6, 7, & 11	Flood, landslide, and earthquake risk assessments describe vulnerability in terms of types and numbers of existing buildings in the hazard area.		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?		N/A		N/A
SUMMARY SCORE				N/A

LOCAL HAZARD MITIGATION PLAN REVIEW CROSSWALK

FEMA REGION X

Jurisdiction: Linn County

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 the Plan (section or annex and page #)	Reviewer's Comments	SCORE	
			N	S
A. Does the new or updated plan estimate potential dollar losses to vulnerable structures?	§ 7 & 11	Landslide and earthquake risk assessments estimate potential dollar losses due to an earthquake.		X
B. Does the new or updated plan describe the methodology used to prepare the estimate?	p. 11-15 and Appendix D	The losses are from a Level I HAZUS analysis.		X
SUMMARY SCORE				X

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 the Plan (section or annex and page #)	Reviewer's Comments	SCORE	
			N	S
A. Does the new or updated plan describe land uses and development trends?		N/A		N/A
SUMMARY SCORE				N/A

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 the Plan (section or annex and 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	Each addendum is in the process of being developed.		N/A
SUMMARY SCORE				N/A

Jurisdiction: Linn County

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 the Plan (section or annex and 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?	p. 4-2	There are three goals and nine objectives for the mitigation plan.		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 the Plan (section or annex and 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?	Appendix B	A wide range of mitigation actions and projects for each hazard were developed.		X
B Do the identified actions and projects address reducing the effects of hazards on new buildings and infrastructure?	2.1.3, 2.2.3	There are a number of actions that address new buildings and infrastructure. Examples include 2.1.3 and 2.2.3.		X
C. Do the identified actions and projects address reducing the effects of hazards on existing buildings and infrastructure?		There are a number of actions that address existing buildings and infrastructure. Examples include 2.1.6, 2.2.5, 2.2.7, 2.2.10, and 2.4.2.		X
SUMMARY SCORE				X

Jurisdiction: Linn County

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 the Plan (section or annex and page #)	Reviewer's Comments	SCORE	
			N	S
A. Does the new or updated plan describe the jurisdiction (s) participation in the NFIP?	p. 6-20	A current description of the county's participation in the NFIP is described.		X
B. Does the mitigation strategy identify, analyze and prioritize actions related to continued compliance with the NFIP?	Appendix B	Actions 2.1.4, 2.2.3, and 2.1.5 are related to continue compliance with 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 the Plan (section or annex and 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?)	5-3 to 5-5	The prioritization process to implement action items is provided.		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?	Appendix B	Each action item has a corresponding coordinating body responsible for its implementation.		X
C. Does the new or updated prioritization process include an emphasis on the use of a cost-benefit review to maximize benefits?	Appendix C, pp. 5-5 to 5-6	The plan explains how a cost-benefit review will be used to maximize benefits.		X
D. Does the updated plan identify the completed, deleted or deferred mitigation actions as a benchmark for progress, and if activities are unchanged (i.e., deferred), does the updated plan describe why no changes occurred?	§ 6 - 11	At the end of each risk assessment chapter (with the exception of drought which is a new hazard) there is a description of the status of each mitigation action item from the 2006 plan.		X
SUMMARY SCORE				X

Jurisdiction: Linn County

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 the Plan (section or annex and 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	Each addendum is in the process of being developed.		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.e., deferred), does the updated plan describe why no changes occurred?	N/A	Each addendum is in the process of being developed.		N/A
SUMMARY SCORE				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 the Plan (section or annex and 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?	pp. 5-1 to 5-3	A convener and coordinating body are responsible for monitoring the plan on an annual basis.		X
B. Does the new or updated plan describe the method and schedule for evaluating the plan, including how, when and by whom (i.e. the responsible department)?	pp. 5-1 to 5-3	A convener and coordinating body are responsible for evaluating the plan on an annual basis.		X
C. Does the new or updated plan describe the method and schedule for updating the plan within the five-year cycle?	p. 5-7	A description is provided for updating the plan on a five-year cycle.		X
SUMMARY SCORE				X

Jurisdiction: Linn County

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 the Plan (section or annex and 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?	§ 6 - 11	Within each hazard profile, there is a comprehensive list of Linn County planning mechanisms. This is an excellent list.		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?	pp. 4-3 to 4-4, Appendix B	Pages 4-3 to 4-4 describe how plans will be incorporated into existing plans and policies. Appendix B indicates where the mitigation strategy will be incorporated into existing plans and policies.		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?	§ 6 - 11	At the end of each risk assessment chapter is an explanation of the status of each action item from the 2005 plan. This status describes how the mitigation strategy was incorporated into existing plans and policies.		X
SUMMARY SCORE				X

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.

Element	Location in the Plan (section or annex and 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?)	pp. 5-6 to 5-7	The plan explains how continued public involvement will be obtained.		X
SUMMARY SCORE				X

END OF REVIEW

Memo

To: Linn County Steering Committee
From: Oregon Partnership for Disaster Resilience
Date: May 13, 2010
Re: Organizational Survey Summary

Background

Linn County is working with the Oregon Partnership for Disaster Resilience and the Community Planning Workshop (CPW) at the University of Oregon to update their Natural Hazards Mitigation Plan (NHMP). The primary purpose of natural hazard planning is to identify community policies, actions, and tools for implementation that will result in a reduction in risk and in impacts from natural hazards. The process of updating an NHMP involves engaging a broad and diverse group of community stakeholders to assist in providing information and identifying achievable mitigation strategies.

Purpose

On March 19, Linn County submitted an organizational survey to a select group of community stakeholders. The organizational survey provided an opportunity for stakeholders and steering committee members to give feedback on issues related to natural hazards mitigation planning in Linn County. The purpose of the survey was to identify the perceptions of natural hazard mitigation planning in Linn County and assess the extent to which organizations are working to achieve mitigation goals. The survey contained 13 questions divided into sections regarding perceived natural hazard threats, mitigation priorities, partnerships and support, and organizational specific information. The total number of responses was 30. The survey responses are summarized in this memo and will help develop strategies to increase organizational participation and cooperation in implementing the updated natural hazards mitigation plan.

Methodology

The survey was designed by CPW in February 2010. It was distributed as a web-based survey using SurveyMonkey in March 2010. Survey participants included key stakeholders identified by the Linn County steering committee, and the committee members themselves.

Respondent Characteristics

The personal information section of the survey asked respondents to identify the organization they represent and the jurisdiction where the organization is located. Of the 26 respondents who indicated their organization's location, 25 (96%) were located in Linn County and one respondent (4%) was from Benton County. Represented organizations include the following:

City Government	Linn County
City of Brownsville	Linn County Board of Commissioners
City of Lyons	Linn County Planning & Building
City of Lyons	Linn County Sheriff's Office - Emergency Management
City of Scio	Lyons Rural Fire Protection District
City of Sodaville	Planning and Building
City of Sweet Home	Scio Planning Commission/Linn County Planning Commission
City of Tangent	Scio Rural Fire District
Community Services Consortium	Scio School District
County Planning	Sweet Home Fire & Ambulance District
Harrisburg School District	The City of Halsey
Healthcare	
Linn Benton Food Share	

Perceived Natural Hazard Threats

Q1. Please select the hazard that you think is the highest threat to your community (consult the table below for the list of hazards and responses).

The majority of respondents (45%) identified flood and earthquake as the most threatening natural hazard. The next most popular answer was wildfire (13%), severe winter storm/ice storm (10), and severe thunderstorm/high wind (7%).

Natural Hazard	Count	Percent
Drought	1	4%
Earthquake	10	33%
Flood	10	33%
Landslide	0	0%
Severe Winter Storm/Ice Storm	3	10%
Severe Thunderstorm/High Wind	2	7%
Wildfire	4	13%

Total respondents (n=30)

Q2. Please select the hazard that you think is the second highest threat to your community:

The answers for this question were more diverse. The most popular answer of the respondents was flood (38%). The other indicated natural hazards include severe thunderstorm/high wind (20%), earthquake (14%), severe winter storm/ice storm (14%), wildfire (10%), and landslide (4%).

Natural Hazard	Count	Percent
Drought	0	0%
Earthquake	4	14%
Flood	11	38%
Landslide	1	4%
Severe Winter Storm/Ice Storm	4	14%
Severe Thunderstorm/High Wind	6	20%
Wildfire	3	10%

Total respondents (n=30)

Mitigation Priorities

Q3. The following statements will help us identify your community's priorities in regards to natural hazard planning. Please tell us how important each one is to you.

The factors that ranked as highest importance include protecting critical facilities (94%), protecting and reducing damage to utilities (87%), protecting property (63%), and strengthening emergency services (57%). The factors that were ranked lower in the very important category were disclosing risks during real estate transactions (30%), protecting historical landmarks (17%), and enhancing the function of natural features (13%). Very few respondents felt that any factors were unimportant.

	Very Important	Important	Neither	Unimportant	Very Unimportant
Protecting Property	63%	37%	0%	0%	0%
Protecting Critical Facilities	94%	7%	0%	0%	0%
Enhancing the function of natural features	13%	54%	27%	0%	7%
Protecting historical landmarks	17%	43%	30%	10%	0%
Protecting and reducing damage to utilities	87%	13%	0%	0%	0%
Strengthening emergency services	57%	33%	10%	3%	0%
Disclosing risks during real estate transactions	30%	40%	27%	0%	3%
<hr/>					
Total respondents (n=30)					

Q4. A number of community-wide activities can reduce our risk from hazards. These activities fall into six broad categories. Please tell us how important you think each one is for your community to consider pursuing.

Most respondents felt that all of the categories were important. The categories that ranked highest importance include emergency services (97%), prevention (90%), and public education and awareness (87%). Other important categories include structural projects (70%), property protection (53%), and natural resource protection (53%).

Activity	Very Important	Neither	Unimportant
Prevention	90%	7%	3%
Property Protection	53%	43%	3%
Natural Resource Protection	53%	43%	3%
Structural Projects	70%	27%	3%
Emergency Services	97%	3%	0%
Public Education & Awareness	87%	13%	0%

Total respondents (n=30)

Partnerships and Support

Q5. In your opinion, how would you rank the support for natural hazard mitigation amongst the following entities of your community?

Respondents identified local government agencies as the highest ranked category (41%) with unanimous support for natural hazard mitigation. In general support for natural hazard mitigation is concentrated in the mid-level ranges. There is neither overwhelming support for, nor resistance against natural hazard mitigation. One respondent commented that efforts should be made to raise awareness regarding the benefits of natural hazard mitigation.

	Not Supportive	Supported by Some	Supported by Most	Supported by All
Community Members	0%	63%	30%	7%
Businesses	0%	60%	37%	3%
Non-Governmental Organization	0%	63%	33%	3%
Local Government Agencies	0%	10%	48%	41%
Political Leaders	0%	33%	43%	23%

Total respondents (n=30)

Q6. We would like to understand the partnerships that exist within your community. What kind of partnerships does your organization have with the following entities:

Partnerships between neighboring government agencies appear to be the strongest in Linn County. Respondents identified community groups, political leaders of neighboring communities and private investors as having the weakest partnerships.

	Very strong	Somewhat Strong	Somewhat weak	Weak	Nonexistent
Community/Neighborhood Groups	10%	30%	47%	13%	0%
Private Investors	10%	37%	33%	17%	3%
Nonprofit Organizations	7%	40%	30%	20%	3%
Governmental Agencies of Neighboring Communities	16%	47%	27%	7%	3%
Political Leaders of Neighboring Communities	7%	37%	40%	10%	7%

Total Respondents (n=30)

Organizational Information

Q7. What is your organization currently doing to reduce your community's risk from natural hazards?

The most popular natural hazard mitigation activity among respondents was natural resource preservation (65%). Participating in structural related projects and hosting community education events was the next most popular activities (48%). Participants were given the opportunity to list additional activities. This list included natural hazard mitigation training and conducting stormwater and sewer system upgrades. Three respondents commented that their organization was doing very little in the realm of natural hazard mitigation.

Activity	Percent
Hosting Community Education Events	48%
Participating in Structural Related Natural Hazard Mitigation Project	48%
Working with at Risk Communities	30%
Preserving Natural Resource	65%

Total respondents (n=23)

Q8. Are there any specific risk reduction projects that your organization is interested in implementing internally or assisting other organizations/agencies with externally?

Most participants chose not to answer this question. However, five respondents shared the following statements (n=5):

- Primary emergency management is on life safety issues
- Efforts to protect infrastructure to survive a major event
- Increase of resources for fire suppression
- Protective planning
- Disaster preparedness, first aid/CPR classes

Q9. Are there ways in which your organization can contribute to regional coordination to reduce risk from natural hazards?

The majority of respondents (72%) are proponents of participating in risk reduction education programs and establishing a communication network among neighboring jurisdictions. One participant commented that their organization could assist by passing out natural hazard mitigation related brochures at public events.

Activity	Percent
Develop a coordinated risk reduction strategy with other regional stakeholders	68%
Participate in risk reduction education programs	72%
Establish a mechanism for sharing natural hazard mitigation related information and networking among neighboring jurisdictions.	72%
Assist in developing a regional based natural resource preservation plan	56%

Total respondents (n=25)

Q10. In your opinion, what are some additional or new ways your organization could help your community reduce the risk of future natural hazards?

Only three participants responded to this question. Their comments included the following (n=3):

- On going education
- Help raise awareness
- Update hazard related information (e.g. maps)

Conclusion

This survey identified the perceptions of natural hazard mitigation planning in Linn County and assessed the extent to which organizations are working to achieve mitigation goals. The results of the survey will help develop strategies to increase organizational participation and cooperation in implementing the updated natural hazards mitigation plan.

Linn County Household Preparedness Survey

1. Introduction

February 19, 2010

We need your help!

Linn county is currently engaged in a cooperative planning process to reduce the risks and losses associated with natural disasters. As a part of this process, the Oregon Partnership for Disaster Resilience at the University of Oregon is conducting an online household survey. This survey provides an opportunity for you to share your opinions about preparing for and reducing your household's and your community's risks from natural disasters. The information you provide about your household's needs for disaster preparedness could help the county improve local disaster preparedness and risk reduction activities.

Please take 15-20 minutes to complete this online survey, your opinions are important to us! The questionnaire must be completed by an adult (18 years or older), preferably the homeowner or head of household. The information you provide about your needs for disaster preparedness could help improve public/private coordination of preparedness and risk reduction activities within your community. The deadline to complete the survey is Friday, March 19, 2010.

Your completed survey indicates your willingness to take part in the study and that you are 18 years or older. Your participation in this study is voluntary. If you have questions regarding the survey, please contact the Oregon Partnership for Disaster Resilience at the University of Oregon at (541) 346-7326.

This survey is funded by a 2009 federal Pre-Disaster Mitigation planning grant, and is administered by the Oregon Partnership for Disaster Resilience (Partnership). The Partnership is a coalition of public, private, and professional organizations working collectively toward the mission of creating a disaster resilient and sustainable state. Developed and coordinated by the Community Service Center (CSC) at the University of Oregon, the Partnership employs a service learning model to increase community capacity and enhance disaster safety and resilience statewide. For information on the Partnership, please visit <http://opdr.uoregon.edu>.

Thank you for your participation! We look forward to hearing your opinions!

Josh Bruce,
Project Director
Oregon Partnership for Disaster Resilience

2. Natural Hazard Household Risk Reduction

Households can do many things to prepare for a natural disaster or emergency. What you have on hand or are trained to do when a disaster strikes can make a big difference in your comfort and safety in the hours and days following a natural disaster or emergency. In addition, modifications to your home, including retrofits to strengthen your home's structure, can protect your home and its contents. The following questions focus on your household's preparedness for disaster events.

Linn County Household Preparedness Survey

1. How concerned are you about the following natural disasters affecting your community?

(Check the corresponding box for each hazard)

	Very Concerned	Somewhat Concerned	Neither Concerned nor Unconcerned	Not Very Concerned	Not Concerned
Drought	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dust Storm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Earthquake	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Flood	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Landslide / Debris Flow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Wildfire	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Household Fire	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Volcanic Eruption	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Wind Storm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Severe Winter Storm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tsunami	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2. Did you consider the possible occurrence of a natural hazard when you bought/moved into your current home?

- Yes
- No

3. Does your household have insurance coverage for flood events?

- Yes
- No

3. Natural Hazard Household Risk Reduction

Linn County Household Preparedness Survey

1. If "NO" for flood, what is the main reason your household does not have insurance for flood events?

- Not available
- Deductibles too high/not worth it
- Not necessary
- Not located in the floodplain
- Not familiar with it/don't know
- Too expensive
- Other

(please specify)

4. Natural Hazard Household Risk Reduction

1. Does your household have insurance coverage for earthquake events?

- Yes
- No

5. Natural Hazard Household Risk Reduction

1. If "NO" for earthquake, what is the main reason your household does not have insurance for earthquake events? (Please check one)

- Not available
- Deductibles too high/not worth it
- Too expensive
- Not necessary
- Not familiar with it/don't know
- Other

(please specify)

6. Natural Hazard Household Risk Reduction

Linn County Household Preparedness Survey

1. In the following list, please check those activities that you have done in your household, plan to do in the near future, have not done, or are unable to do. For Questions F-K, there is also the option to check does not apply, if the preparation action does not apply to a feature of your home. (Please check one answer for each preparedness activity)

	Have Done	Plan To Do	Not Done	Unable To Do	Does Not Apply
A. Attended meetings or received written information on natural disasters or emergency preparedness?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
B. Talked with members in your household about what to do in case of a natural disaster or emergency?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
C. Developed a "Household/Family Emergency Plan" in order to decide what everyone would do in the event of a disaster?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
D. Prepared a "Disaster Supply Kit" (Stored extra food, water, batteries, or other emergency supplies)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E. In the last year, has anyone in your household been trained in First Aid or Cardio-Pulmonary Resuscitation (CPR)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
F. Have you secured your water heater, cabinets and bookcases to the wall?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
G. Have you fit your gas appliances with flexible connections?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
H. Used fire-resistant building or roofing materials?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I. Secured your home to its foundation?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
J. Braced unreinforced masonry, concrete walls, and chimney?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Linn County Household Preparedness Survey

K. Elevated your home
in preparation for
floods?

7. Household Risk Reduction

1. Who is your preferred information source to receive information about how to make your household and home safer from natural disasters?

(Please check all that apply)

- Chamber of Commerce
- University or research institution
- Schools
- Fire Department/Rescue
- Utility company
- Insurance agent or company
- University or research institution
- Government agency
- American Red Cross
- Other non-profit organization

Linn County Household Preparedness Survey

2. What is the preferred way for you to receive information about how to make your household and home safer from natural disasters? (Please check all that apply)

- Fact Sheet/brochure
- Internet
- Mail
- Outdoor advertisements (signs, etc.)
- Radio
- Television
- Magazine
- Public workshops/meetings
- Newspapers
- Other

(please explain)

8. Community Risk Reduction

Linn County Household Preparedness Survey

1. Natural hazards can have a significant impact on a community, but planning for these events can help lessen the impacts. The following statements will help determine citizen priorities for planning for natural hazards. Please tell us how important each one is to you.

	Very Important	Somewhat Important	Neither Important nor Unimportant	Not Very Important	Not Important
A. Protecting private property	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
B. Protecting critical facilities (e.g., transportation networks, hospitals, fire stations)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
C. Preventing development in hazard areas	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
D. Enhancing the function of natural features (e.g., streams, wetlands)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
E. Protecting historical and cultural landmarks	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
G. Protecting and reducing damage to utilities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
H. Strengthening emergency services (e.g., - police, fire, ambulance)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I. Disclosing natural hazard risks during real estate transactions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Linn County Household Preparedness Survey

2. A number of activities can reduce your community's risk from natural hazards. These activities can be both *regulatory* and *non-regulatory*. An example of a regulatory activity would be a policy that limits or prohibits development in a known hazard area such as a floodplain. An example of a non-regulatory activity would be to develop a public education program to demonstrate steps citizens can take to make their homes safer from natural hazards. Please check the box that best represents your opinion of the following strategies to reduce the risk and loss associated with natural disasters.

	Strongly Agree	Agree	Neither Agree nor Disagree	Disagree	Strongly Disagree	Not Sure
A. I support a regulatory approach to reducing risk.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
B. I support a non-regulatory approach to reducing risk.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
C. I support a mix of both regulatory and non-regulatory approaches to reducing risk.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
D. I support policies to prohibit development in areas subject to natural hazards.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
E. I support the use of tax dollars (federal and/or local) to compensate land owners for not developing in areas subject to natural hazards.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
F. I support the use of local tax dollars to reduce risks and losses from natural disasters.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
G. I support protecting historical and cultural structures.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
H. I would be willing to make my home more disaster-resistant.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I. I support steps to safeguard the local economy following a disaster event.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
J. I support improving the disaster preparedness of local	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Linn County Household Preparedness Survey

schools.

K. I support a local inventory of at-risk buildings and infrastructure.

L. I support the disclosure of natural hazard risks during real estate transactions.

9. General Household Information

1. Please indicate your age:

Age

2. Gender:

- Male
 Female

3. Zip Code:

4. Please indicate your level of education:

- Grade School/No Schooling
 Some high school
 High school graduate/GED
 Some college/trade school
 College degree
 Postgraduate degree
 Other

(please specify)

Linn County Household Preparedness Survey

5. How long have you lived in Oregon?

- Less than a year
- 1-5 years
- 5-9 years
- 10-19 years
- 20 years or more

6. Do you rent/own

- Single-family home
- Duplex
- Apartment (3-4 units in structure)
- Apartment (5 or more unit structures)
- Condominium / townhouse
- Manufactured home
- Other

(please specify)

7. If you have lived in Oregon for less than 20 years, in what state did you live before you moved to Oregon?

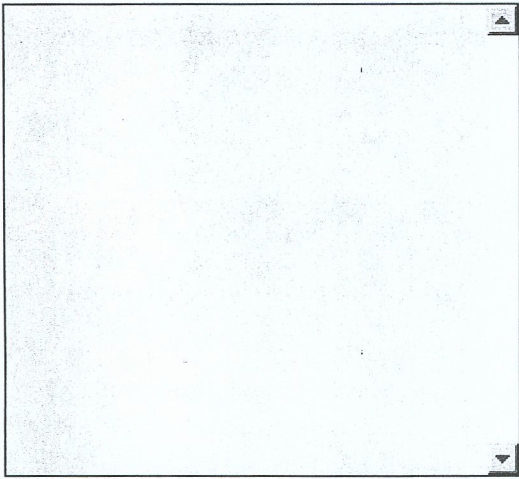
- Not Applicable
- California
- Idaho
- Washington
- Other

(please specify)

10. Final Comments

Linn County Household Preparedness Survey

1. Please feel free to provide any additional comments in the space provided below:



11. Thanks!


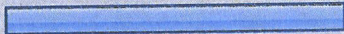
Thank you for your participation!

Linn County Household Preparedness Survey



1. How concerned are you about the following natural disasters affecting your community? (Check the corresponding box for each hazard)

	Very Concerned	Somewhat Concerned	Neither Concerned nor Unconcerned	Not Very Concerned	Not Concerned	Response Count
Drought	7.7% (1)	30.8% (4)	15.4% (2)	15.4% (2)	30.8% (4)	13
Dust Storm	0.0% (0)	7.7% (1)	30.8% (4)	15.4% (2)	46.2% (6)	13
Earthquake	46.2% (6)	23.1% (3)	7.7% (1)	7.7% (1)	15.4% (2)	13
Flood	38.5% (5)	30.8% (4)	7.7% (1)	15.4% (2)	7.7% (1)	13
Landslide / Debris Flow	7.7% (1)	15.4% (2)	30.8% (4)	7.7% (1)	38.5% (5)	13
Wildfire	7.7% (1)	23.1% (3)	38.5% (5)	15.4% (2)	15.4% (2)	13
Household Fire	30.8% (4)	38.5% (5)	15.4% (2)	15.4% (2)	0.0% (0)	13
Volcanic Eruption	0.0% (0)	30.8% (4)	15.4% (2)	15.4% (2)	38.5% (5)	13
Wind Storm	38.5% (5)	23.1% (3)	15.4% (2)	7.7% (1)	15.4% (2)	13
Severe Winter Storm	38.5% (5)	23.1% (3)	23.1% (3)	0.0% (0)	15.4% (2)	13
Tsunami	0.0% (0)	7.7% (1)	30.8% (4)	23.1% (3)	38.5% (5)	13
					<i>answered question</i>	13
					<i>skipped question</i>	0






2. Did you consider the possible occurrence of a natural hazard when you bought/moved into your current home?

	Response Percent	Response Count
Yes 	46.2%	6
No 	53.8%	7
	<i>answered question</i>	13
	<i>skipped question</i>	0



3. Does your household have insurance coverage for flood events?

		Response Percent	Response Count
Yes		30.8%	4
No		69.2%	9
answered question			13
skipped question			0

4. If "NO" for flood, what is the main reason your household does not have insurance for flood events?

		Response Percent	Response Count
Not available		11.1%	1
Deductibles too high/not worth it		0.0%	0
Not necessary		11.1%	1
Not located in the floodplain		44.4%	4
Not familiar with it/don't know		11.1%	1
Too expensive		0.0%	0
Other		22.2%	2
(please specify)			2
answered question			9
skipped question			4

5. Does your household have insurance coverage for earthquake events?

		Response Percent	Response Count
Yes		69.2%	9
No		30.8%	4
answered question			13
skipped question			0

6. If "NO" for earthquake, what is the main reason your household does not have insurance for earthquake events? (Please check one)

	Response Percent	Response Count
Not available	0.0%	0
Deductibles too high/not worth it	0.0%	0
Too expensive	0.0%	0
Not necessary	0.0%	0
Not familiar with it/don't know	75.0%	3
Other	25.0%	1
	(please specify)	1
answered question		4
skipped question		9

7. In the following list, please check those activities that you have done in your household, plan to do in the near future, have not done, or are unable to do. For Questions F-K, there is also the option to check does not apply, if the preparation action does not apply to a feature of your home. (Please check one answer for each preparedness activity)

	Have Done	Plan To Do	Not Done	Unable To Do	Does Not Apply	Response Count
A. Attended meetings or received written information on natural disasters or emergency preparedness?	69.2% (9)	0.0% (0)	30.8% (4)	0.0% (0)	0.0% (0)	13
B. Talked with members in your household about what to do in case of a natural disaster or emergency?	61.5% (8)	0.0% (0)	30.8% (4)	0.0% (0)	7.7% (1)	13
C. Developed a "Household/Family Emergency Plan" in order to decide what everyone would do in the event of a disaster?	30.8% (4)	23.1% (3)	46.2% (6)	0.0% (0)	0.0% (0)	13
D. Prepared a "Disaster Supply Kit" (Stored extra food, water, batteries, or other emergency supplies)?	75.0% (9)	8.3% (1)	16.7% (2)	0.0% (0)	0.0% (0)	12
E. In the last year, has anyone in your household been trained in First Aid or Cardio-Pulmonary Resuscitation (CPR)?	53.8% (7)	0.0% (0)	38.5% (5)	0.0% (0)	7.7% (1)	13
F. Have you secured your water heater, cabinets and bookcases to the wall?	30.8% (4)	15.4% (2)	53.8% (7)	0.0% (0)	7.7% (1)	13
G. Have you fit your gas appliances with flexible connections?	50.0% (6)	0.0% (0)	16.7% (2)	0.0% (0)	33.3% (4)	12
H. Used fire-resistant building or roofing materials?	30.8% (4)	15.4% (2)	38.5% (5)	0.0% (0)	15.4% (2)	13
I. Secured your home to its foundation?	38.5% (5)	0.0% (0)	30.8% (4)	7.7% (1)	23.1% (3)	13
J. Braced unreinforced masonry, concrete walls, and chimney?	7.7% (1)	0.0% (0)	23.1% (3)	0.0% (0)	69.2% (9)	13
K. Elevated your home in preparation for floods?	7.7% (1)	0.0% (0)	23.1% (3)	0.0% (0)	69.2% (9)	13

answered question 13

skipped question 0










8. Who is your preferred information source to receive information about how to make your household and home safer from natural disasters? (Please check all that apply)

	Response Percent	Response Count
Chamber of Commerce	0.0%	0
University or research institution	8.3%	1
Schools	0.0%	0
Fire Department/Rescue	58.3%	7
Utility company	0.0%	0
Insurance agent or company	33.3%	4
University or research institution	8.3%	1
Government agency	66.7%	8
American Red Cross	25.0%	3
Other non-profit organization	8.3%	1

answered question 12

skipped question 1

9. What is the preferred way for you to receive information about how to make your household and home safer from natural disasters? (Please check all that apply)

		Response Percent	Response Count
Fact Sheet/brochure		69.2%	9
Internet		61.5%	8
Mail		53.8%	7
Outdoor advertisements (signs, etc.)		7.7%	1
Radio		7.7%	1
Television		23.1%	3
Magazine		7.7%	1
Public workshops/meetings		15.4%	2
Newspapers		46.2%	6
Other		0.0%	0
	(please explain)		0
answered question			13
skipped question			0

10. Natural hazards can have a significant impact on a community, but planning for these events can help lessen the impacts. The following statements will help determine citizen priorities for planning for natural hazards. Please tell us how important each one is to you.

	Very Important	Somewhat Important	Neither Important nor Unimportant	Not Very Important	Not Important	Response Count
A. Protecting private property	46.2% (6)	46.2% (6)	0.0% (0)	7.7% (1)	0.0% (0)	13
B. Protecting critical facilities (e.g., transportation networks, hospitals, fire stations)	100.0% (13)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	13
C. Preventing development in hazard areas	30.8% (4)	38.5% (5)	15.4% (2)	15.4% (2)	0.0% (0)	13
D. Enhancing the function of natural features (e.g., streams, wetlands)	46.2% (6)	30.8% (4)	15.4% (2)	0.0% (0)	7.7% (1)	13
E. Protecting historical and cultural landmarks	30.8% (4)	38.5% (5)	15.4% (2)	7.7% (1)	7.7% (1)	13
G. Protecting and reducing damage to utilities	69.2% (9)	30.8% (4)	0.0% (0)	0.0% (0)	0.0% (0)	13
H. Strengthening emergency services (e.g., - police, fire, ambulance)	61.5% (8)	23.1% (3)	7.7% (1)	7.7% (1)	0.0% (0)	13
I. Disclosing natural hazard risks during real estate transactions	69.2% (9)	30.8% (4)	0.0% (0)	0.0% (0)	0.0% (0)	13
					<i>answered question</i>	13
					<i>skipped question</i>	0

11. A number of activities can reduce your community's risk from natural hazards. These activities can be both *regulatory* and *non-regulatory*. An example of a regulatory activity would be a policy that limits or prohibits development in a known hazard area such as a floodplain. An example of a non-regulatory activity would be to develop a public education program to demonstrate steps citizens can take to make their homes safer from natural hazards. Please check the box that best represents your opinion of the following strategies to reduce the risk and loss associated with natural disasters.



	Strongly Agree	Agree	Neither Agree nor Disagree	Disagree	Strongly Disagree	Not Sure	Response Count
A. I support a regulatory approach to reducing risk.	30.8% (4)	23.1% (3)	30.8% (4)	7.7% (1)	7.7% (1)	0.0% (0)	13
B. I support a non-regulatory approach to reducing risk.	7.7% (1)	30.8% (4)	30.8% (4)	23.1% (3)	7.7% (1)	0.0% (0)	13
C. I support a mix of both regulatory and non-regulatory approaches to reducing risk.	7.7% (1)	30.8% (4)	53.8% (7)	7.7% (1)	0.0% (0)	0.0% (0)	13
D. I support policies to prohibit development in areas subject to natural hazards.	38.5% (5)	38.5% (5)	7.7% (1)	7.7% (1)	7.7% (1)	0.0% (0)	13
E. I support the use of tax dollars (federal and/or local) to compensate land owners for not developing in areas subject to natural hazards.	7.7% (1)	15.4% (2)	23.1% (3)	23.1% (3)	30.8% (4)	0.0% (0)	13
F. I support the use of local tax dollars to reduce risks and losses from natural disasters.	30.8% (4)	30.8% (4)	30.8% (4)	7.7% (1)	0.0% (0)	0.0% (0)	13
G. I support protecting historical and cultural structures.	23.1% (3)	38.5% (5)	23.1% (3)	7.7% (1)	0.0% (0)	7.7% (1)	13
H. I would be willing to make my home more disaster-resistant.	38.5% (5)	38.5% (5)	7.7% (1)	0.0% (0)	0.0% (0)	15.4% (2)	13
I. I support steps to safeguard the local economy following a disaster event.	38.5% (5)	46.2% (6)	0.0% (0)	0.0% (0)	0.0% (0)	15.4% (2)	13
J. I support improving the disaster preparedness of local schools.	38.5% (5)	53.8% (7)	0.0% (0)	0.0% (0)	7.7% (1)	0.0% (0)	13
K. I support a local inventory of at-risk buildings and infrastructure.	15.4% (2)	61.5% (8)	23.1% (3)	0.0% (0)	0.0% (0)	0.0% (0)	13

L. I support the disclosure of natural hazard risks during real estate transactions.	76.9% (10)	15.4% (2)	7.7% (1)	0.0% (0)	0.0% (0)	0.0% (0)	13	
							<i>answered question</i>	13
							<i>skipped question</i>	0

12. Please indicate your age:

	Response Average	Response Total	Response Count
Age	49.23	640	13
			<i>answered question</i>
			<i>skipped question</i>

13. Gender:

	Response Percent	Response Count
Male 	46.2%	6
Female 	53.8%	7
		<i>answered question</i>
		<i>skipped question</i>

14. Zip Code:

	Response Count
	13
<i>answered question</i>	
<i>skipped question</i>	




15. Please indicate your level of education:

	Response Percent	Response Count
Grade School/No Schooling	0.0%	0
Some high school	0.0%	0
High school graduate/GED	7.7%	1
Some college/trade school	15.4%	2
College degree	53.8%	7
Postgraduate degree	23.1%	3
Other	0.0%	0
(please specify)		0
answered question		13
skipped question		0


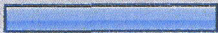
16. How long have you lived in Oregon?

	Response Percent	Response Count
Less than a year	0.0%	0
1-5 years	23.1%	3
5-9 years	7.7%	1
10-19 years	0.0%	0
20 years or more	69.2%	9
answered question		13
skipped question		0

17. Do you rent/own

		Response Percent	Response Count
Single-family home		84.6%	11
Duplex		7.7%	1
Apartment (3-4 units in structure)		0.0%	0
Apartment (5 or more unit structures)		7.7%	1
Condominium / townhouse		0.0%	0
Manufactured home		0.0%	0
Other		0.0%	0
	(please specify)		1
answered question			13
skipped question			0

18. If you have lived in Oregon for less than 20 years, in what state did you live before you moved to Oregon?

		Response Percent	Response Count
Not Applicable		0.0%	0
California		66.7%	2
Idaho		0.0%	0
Washington		0.0%	0
Other		33.3%	1
	(please specify)		1
answered question			3
skipped question			10

19. Please feel free to provide any additional comments in the space provided below:

**Response
Count**

2

answered question

2

skipped question

11