

## appendix e example questionnaire





January 2003

Dear Oregon Citizen:

We need your help!

Your community is currently engaged in a planning process to reduce the risks and losses associated with natural disasters. As a part of this process, the City is working with *Partners for Disaster Resistance* and the Oregon Natural Hazards Workgroup at the University of Oregon to conduct a 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 disaster preparedness could help improve the coordination of preparedness and risk reduction activities in your community.

Your opinions are important to us! Please complete the enclosed survey and return it in the postage-paid envelope. The survey will take about 15-20 minutes to complete. Please finish and return this survey by February 3rd, 2003.

Oregon has been designated a "Showcase State for Natural Disaster Resistance and Resilience." Partners for Disaster Resistance is bringing together public agencies and private organizations throughout the state to coordinate efforts to provide citizens and organizations statewide an opportunity to prepare for and minimize the impacts of natural hazards.

If you have questions regarding the survey, please contact the Oregon Natural Hazards Workgroup at the University of Oregon at (541) 346-3889. For information on Partners for Disaster Resistance: Oregon Showcase State, please visit http://www.OregonShowcase.org.

Thank you for your participation!

Sincerely,

André LeDuc

State Coordinator,

Partners for Disaster Resistance: Oregon Showcase Program www.OregonShowcase.org Beverlee Venell

Dulukul

Director,

Oregon Emergency Management www.osp.state.or.us/oem/ Suzanne Hildick

Executive Director, American Red Cross, Oregon Trail Chapter www.PrepareForLife.org

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Oregon Natural Hazards Workgroup Community Service Center

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## Household Natural Hazards Preparedness Questionnaire

This questionnaire is designed to help gauge household preparedness for disasters, and knowledge of tools and techniques that assist in reducing risk and loss from natural hazards. The questionnaire should be completed by an adult, 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. We ask that you please take a few minutes to complete this questionnaire,

Your returned survey indicates your willingness to take part in the study. Your participation in this study is voluntary. If you have questions regarding your rights as a research participant, please contact the Office of Human Subjects Compliance, Riverfront Research Park, Suite 106, University of Oregon, Eugene, OR 97403-5219, or call (541) 346-2510. All individual survey responses are strictly confidential, and are for research purposes only.

## NATURAL HAZARD INFORMATION

Coastal Erosion

Severe Winter Storm

1.	In the past five years, or since you lin your household experienced a na other type of natural disaster?  Yes No (IF NO Skip to Question	tural disaster su				
	1.1. If ("YES") which of these r (Please check all that apply)  Drought Dust Storm Earthquake Flood Landslide / Debris Flood Wildfire		have you or so	☐ Househo	old Fire orm c Eruption Winter Storm	perienced?
					. 0	
2.	How concerned are you about the f (Check the corresponding box  Natural Disaster			Concerned	Somewhat Concerned	Not Concerned
2.	(Check the corresponding box	for each hazard	d) Very		Somewhat	5.7 7 7
2.	(Check the corresponding box Natural Disaster	for each hazard	d) Very		Somewhat	5.7 7 7
2.	(Check the corresponding box  Natural Disaster  Drought	for each hazard	d) Very		Somewhat	5.7 7 7
2.	Natural Disaster  Drought Dust Storm	for each hazard	d) Very		Somewhat	5.7 7 7
2.	Natural Disaster  Drought Dust Storm Earthquake	for each hazard	d) Very		Somewhat	5.7 7 7
2.	Natural Disaster  Drought Dust Storm Earthquake Flood	for each hazard	d) Very		Somewhat	5.7 7 7
2.	Natural Disaster  Drought Dust Storm Earthquake Flood Landslide / Debris Flow	for each hazard	d) Very		Somewhat	5.7 7 7
2.	Natural Disaster  Drought Dust Storm Earthquake Flood Landslide / Debris Flow Wildfire	for each hazard	d) Very		Somewhat	5.7 7 7
2.	Natural Disaster  Drought Dust Storm Earthquake Flood Landslide / Debris Flow Wildfire Household Fire	for each hazard	d) Very		Somewhat	5.7 7 7

Version 1.0 April 2003

3.	Have you ever received information about how to m disasters?  Yes No (IF NO Skip to Question 4)	ake your household and home safer from natural
	3.1. If "YES", how recently?  Within the last 6 months  Between 6 and 12 months  Between 1 and 2 years	☐ Between 2 and 5 years ☐ 5 years or more
	3.2. From whom did you last receive information from natural disasters? (Please check only on the News media Government agency Insurance agent or company Utility company University or research institution	a about how to make your household and home safer  ne)  American Red Cross Other non-profit organization Not sure Other:
4.	Who would you most trust to provide you with information after from natural disasters? (Please check all that a least of the control of the c	mation about how to make your household and home (pply)  American Red Cross Other non-profit organization Not sure Other:
5.	What is the most effective way for you to receive in safer from natural disasters? (Please check all that a	formation about how to make your household and home pply)
	Newspapers:  Newspaper ads  Television:  Television news Television ads  Radio: Radio news Radio ads	Other methods:  Schools Outdoor advertisements (billboards, etc.) Books Mail Fire Department/Rescue Internet Fact sheet/brochure Chamber of Commerce Public workshops/meetings Magazine University or research institution Other (please explain):

## PREPAREDNESS ACTIVITIES IN YOUR HOUSEHOLD

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. Basic services, such as electricity, gas, water and telephones, may be cut off, or you may have to evacuate at a moment's notice. The following questions focus on your household's preparedness for disaster events.

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. (Please check one answer for each preparedness activity)

	In your household, have you or someone in your household:	Done	To Do	Done	To Do
	A. Attended meetings or received written information on natural disasters or emergency preparedness?				
	B. Talked with members in your household about what to do in case of a natural disaster or emergency?				
	C. Developed a "Household/Family Emergency Plan" in order to decide what everyone would do in the in event of a disaster?				
	D. Prepared a "Disaster Supply Kit" (Stored extra food, water, batteries, or other emergency supplies)?				
	E. In the last year, has anyone in your household been trained in First Aid or Cardio-Pulmonary Resuscitation (CPR)?				
<i>'</i> .	Building a disaster supply kit, receiving First Aid training and develop plan are all inexpensive activities that require a personal time commitry you willing to spend on preparing yourself/household for a natural disa (Check only one)	8-15 ho	v much tin mergency o urs	ne (per ye event?	
8.	What steps, if any, have you or someone in your household taken to pre (Check all that apply)  Have stored:  Food  Water  Flashlight(s)  Batteries  Battery-powered radio  Medical supplies (First aid kit)  Fire extinguisher  Smoke detector on each level of the house	Prepare Receive Made a Develop Where t	a natural of a Disaste de First Air fire escap ped a record to go and ved utility splease exp	er Supply d/CPR Tr e plan nnection who to ca shutoffs	raining plan:

<ol> <li>Does your household have insurance coverage for flood every Yes (If you answered YES skip to Question 10 No</li> </ol>	
9.1. If "NO", what is the main reason your house (Please check only one)  Not located in the floodplain Too expensive Not necessary Never considered it	hold does not have insurance for flood events?  Deductibles too high/not worth it  Not familiar with it/don't know about it  Other:
10. Does your household have insurance coverage for earthqual  ☐ Yes (If you answered YES skip to Question 11)  ☐ No	ke events?
10.1. If "NO", what is the main reason your house (Please check only one) □ Too expensive	hold does not have earthquake insurance?  Deductibles too high/not worth it
☐ Not available ☐ Not necessary	□ Not familiar with it/ don't know about
☐ Never considered it	Other:
Risk reduction activities are those actions you can take to protect as earthquakes, floods or wildfires. You can do nonstructural m	
contents against damage, often at minimal cost. You can also co home's structure or skeleton, although modifications to a structure require the expertise of a registered design professional (engine	anduct structural retrofits to strengthen your ure tend to be quite involved and generally er, architect or building contractor).
contents against damage, often at minimal cost. You can also contents against damage, often at minimal cost. You can also contents structure or skeleton, although modifications to a structure require the expertise of a registered design professional (engine)  11. Did you consider the possible occurrence of a natural hazard volume Yes  No	onduct structural retrofits to strengthen your ure tend to be quite involved and generally er, architect or building contractor).  Then you bought/moved into your current home?
contents against damage, often at minimal cost. You can also co home's structure or skeleton, although modifications to a structure require the expertise of a registered design professional (engine 11. Did you consider the possible occurrence of a natural hazard v Yes No	anduct structural retrofits to strengthen your ure tend to be quite involved and generally er, architect or building contractor).  Then you bought/moved into your current home?  That features that made it more disaster
contents against damage, often at minimal cost. You can also co home's structure or skeleton, although modifications to a structure require the expertise of a registered design professional (engine of the expertise of a registered design professional (engine of the expertise of a registered design professional (engine of the expertise of a registered design professional (engine of the expertise of the expertise of a natural hazard where the expertise of the exp	anduct structural retrofits to strengthen your are tend to be quite involved and generally er, architect or building contractor).  Then you bought/moved into your current home?  That features that made it more disaster  anatural disasters?
contents against damage, often at minimal cost. You can also co home's structure or skeleton, although modifications to a structure require the expertise of a registered design professional (engine of the expertise of a registered design professional (engine of the expertise of a registered design professional (engine of the expertise of a registered design professional (engine of the expertise of the expertise of a natural hazard whereaster of the expertise of	anduct structural retrofits to strengthen your are tend to be quite involved and generally er, architect or building contractor).  Then you bought/moved into your current home?  That features that made it more disaster  matural disasters?
contents against damage, often at minimal cost. You can also co home's structure or skeleton, although modifications to a structure require the expertise of a registered design professional (engine of the expertise of a registered design professional (engine of the expertise of a registered design professional (engine of the expertise of a registered design professional (engine of the expertise of a registered design professional (engine of the expertise of the expertise of a natural hazard very estable occurrence of a natural hazard very estab	anduct structural retrofits to strengthen your are tend to be quite involved and generally er, architect or building contractor).  Then you bought/moved into your current home?  That features that made it more disaster  That is a strengthen your current home?  That is a strengthen your current home?

floods.  What nonstructural or structural modification (Please check all that apply)	ations for earth	nquakes have yo	ou made to	your home?	
			Brace insi sheathing Brace unro Brace unro concrete v	ne to foundati de of cripple v einforced chime einforced maso valls and found ease explain):	vall with nney onry &
Which of the following incentives, if any, home from a natural disaster? (Check all a Insurance discount Low interest rate loan Lower new home construction communication Mortgage discount	that apply.)		Tax break None	or incentive ase explain)	
MMUNITY NATURAL HAZARD P Natural hazards can have a significant imp the impacts. The following statements will Please tell us how important each one is to	pact on a com Il help determi o you.	munity, but pla ne citizen prior	ities for pla	nning for natu	ral hazar
MMUNITY NATURAL HAZARD P  Natural hazards can have a significant imp the impacts. The following statements wil	pact on a com	munity, but pla			
MMUNITY NATURAL HAZARD P Natural hazards can have a significant imp the impacts. The following statements will Please tell us how important each one is to	pact on a comi Il help determi o you.	munity, but pla ine citizen prior Somewhat	ities for pla	nning for natu	ral hazar
MMUNITY NATURAL HAZARD P Natural hazards can have a significant imp the impacts. The following statements wil Please tell us how important each one is to Statements	pact on a comi Il help determi o you.	munity, but pla ine citizen prior Somewhat	ities for pla	nning for natu	ral hazar
MMUNITY NATURAL HAZARD P  Natural hazards can have a significant imp the impacts. The following statements will Please tell us how important each one is to  Statements  A. Protecting private property  B. Protecting critical facilities (e.g. transportation networks, hospitals,	pact on a comi Il help determi o you.	munity, but pla ine citizen prior Somewhat	ities for pla	nning for natu	ral hazar
MMUNITY NATURAL HAZARD Pl Natural hazards can have a significant imp the impacts. The following statements will Please tell us how important each one is to  Statements  A. Protecting private property  B. Protecting critical facilities (e.g. transportation networks, hospitals, fire stations)  C. Preventing development in hazard	pact on a comi Il help determi o you.	munity, but pla ine citizen prior Somewhat	ities for pla	nning for natu	ral hazar
MMUNITY NATURAL HAZARD Pl Natural hazards can have a significant imp the impacts. The following statements wil Please tell us how important each one is to  Statements  A. Protecting private property  B. Protecting critical facilities (e.g. transportation networks, hospitals, fire stations)  C. Preventing development in hazard areas  D. Enhancing the function of natural	very Important	munity, but pla ine citizen prior Somewhat	ities for pla	nning for natu	Not Import
MMUNITY NATURAL HAZARD Pl Natural hazards can have a significant imp the impacts. The following statements will Please tell us how important each one is to  Statements  A. Protecting private property  B. Protecting critical facilities (e.g. transportation networks, hospitals, fire stations)  C. Preventing development in hazard areas  D. Enhancing the function of natural features (e.g. streams, wetlands)  E. Protecting historical and cultural	pact on a comil help determine you.	munity, but pla ine citizen prior Somewhat	ities for pla	nning for natu	Not Import
MMUNITY NATURAL HAZARD PI Natural hazards can have a significant important impacts. The following statements will please tell us how important each one is to  Statements  A. Protecting private property  B. Protecting critical facilities (e.g. transportation networks, hospitals, fire stations)  C. Preventing development in hazard areas  D. Enhancing the function of natural features (e.g. streams, wetlands)  E. Protecting historical and cultural landmarks  F. Promoting cooperation among public agencies, citizens, non-profit	pact on a comil help determine you.	munity, but pla ine citizen prior Somewhat	ities for pla	nning for natu	Not Import

feel are important?						
A number of activities can reduce your of	community's	risk from	natural haz	ards. These a	ctivities can b	e both
regulatory and non-regulatory. An exan development in a known hazard area suc	nple of a regu	latory act	ivity would	be a policy th	hat limits or p	rohibits
to develop a public education program to	o demonstrate	e steps cit	izens can tal	ke to make th	eir homes safe	er from
natural hazards. Please check the box t reduce the risk and loss associated with			our opinion	of the follow	ving strategie	es to
Community-wide Strategies	Strongly	Agree	Neutral	Disagree	Strongly	Not
	Agree	Agree	Neutrai	Disagree	Disagree	Sure
<ul> <li>A. I support a regulatory approach to reducing risk</li> </ul>						
<ul> <li>B. I support a non-regulatory approach to reducing risk</li> </ul>						
C. I support a mix of both regulatory and non-regulatory approaches to	П			П		
reducing risk						
<ul> <li>D. I support policies to prohibit development in areas subject to</li> </ul>						
natural hazards  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						
F. I support the use of local tax dollars to reduce risks and losses from		п				
natural disasters						
G. I support protecting historical and cultural structures						
H. I would be willing to make my home more disaster-resistant						
I. I support steps to safeguard the						
local economy following a disaster event		П				
CVCIII						
J. I support improving the disaster preparedness of local schools						

19.	Please indicate your age:		
20.	Gender:		
	☐ Male		
	☐ Female		
21.	Please indicate your level of education:		
	☐ Grade school/no schooling		College degree
	<ul> <li>Some high school</li> </ul>		Postgraduate degree
	☐ High school graduate/GED		Other, please specify:
	☐ Some college/trade school		
22.	Zip code:		
23.	County:		
24.	How long have you lived in Oregon?		
	<ul> <li>Less than one year</li> </ul>		10-19 years
	☐ 1-5 years ☐ 5-9 years		20 years or more
	☐ 3-9 years		
.σ.	☐ Not Applicable ☐ California ☐ Idaho	s, in what state die	I you live before you moved to Oregon?
43.	☐ Not Applicable ☐ California	s, in what state did	I you live before you moved to Oregon?
	☐ Not Applicable ☐ California ☐ Idaho ☐ Washington ☐ Other  Do you have access to the Internet?	s, in what state die	I you live before you moved to Oregon?
	☐ Not Applicable ☐ California ☐ Idaho ☐ Washington ☐ Other  Do you have access to the Internet? ☐ Yes	s, in what state die	I you live before you moved to Oregon?
	☐ Not Applicable ☐ California ☐ Idaho ☐ Washington ☐ Other  Do you have access to the Internet?	s, in what state die	I you live before you moved to Oregon?
26.	☐ Not Applicable ☐ California ☐ Idaho ☐ Washington ☐ Other  Do you have access to the Internet? ☐ Yes ☐ No	s, in what state die	I you live before you moved to Oregon?
26.	☐ Not Applicable ☐ California ☐ Idaho ☐ Washington ☐ Other  Do you have access to the Internet? ☐ Yes	s, in what state die	I you live before you moved to Oregon?
26.	☐ Not Applicable ☐ California ☐ Idaho ☐ Washington ☐ Other  Do you have access to the Internet? ☐ Yes ☐ No  Do you own or rent your home?	s, in what state die	I you live before you moved to Oregon?
26. 27.	☐ Not Applicable ☐ California ☐ Idaho ☐ Washington ☐ Other  Do you have access to the Internet? ☐ Yes ☐ No  Do you own or rent your home? ☐ Own	s, in what state die	I you live before you moved to Oregon?
26. 27.	□ Not Applicable     □ California     □ Idaho     □ Washington     □ Other  Do you have access to the Internet?     □ Yes     □ No  Do you own or rent your home?     □ Own     □ Rent  Do you rent/own a:     □ Single-family home	s, in what state die	I you live before you moved to Oregon?
26. 27.	□ Not Applicable     □ California     □ Idaho     □ Washington     □ Other  Do you have access to the Internet?     □ Yes     □ No  Do you own or rent your home?     □ Own     □ Rent  Do you rent/own a:     □ Single-family home     □ Duplex	s, in what state die	I you live before you moved to Oregon?
26.	□ Not Applicable     □ California     □ Idaho     □ Washington     □ Other  Do you have access to the Internet?     □ Yes     □ No  Do you own or rent your home?     □ Own     □ Rent  Do you rent/own a:     □ Single-family home     □ Duplex     □ Apartment (3-4 units in structure)		I you live before you moved to Oregon?
26. 27.	□ Not Applicable     □ California     □ Idaho     □ Washington     □ Other  Do you have access to the Internet?     □ Yes     □ No  Do you own or rent your home?     □ Own     □ Rent  Do you rent/own a:     □ Single-family home     □ Duplex     □ Apartment (3-4 units in structure)     □ Apartment (5 or more units in structure)		I you live before you moved to Oregon?
26. 27.	□ Not Applicable     □ California     □ Idaho     □ Washington     □ Other  Do you have access to the Internet?     □ Yes     □ No  Do you own or rent your home?     □ Own     □ Rent  Do you rent/own a:     □ Single-family home     □ Duplex     □ Apartment (3-4 units in structure)     □ Apartment (5 or more units in structure)     □ Condominium / townhouse		I you live before you moved to Oregon?
26. 27.	□ Not Applicable   □ California   □ Idaho   □ Washington   □ Other		I you live before you moved to Oregon?
26. 27.	□ Not Applicable     □ California     □ Idaho     □ Washington     □ Other  Do you have access to the Internet?     □ Yes     □ No  Do you own or rent your home?     □ Own     □ Rent  Do you rent/own a:     □ Single-family home     □ Duplex     □ Apartment (3-4 units in structure)     □ Apartment (5 or more units in structure)     □ Condominium / townhouse		I you live before you moved to Oregon?
26. 27.	□ Not Applicable   □ California   □ Idaho   □ Washington   □ Other		I you live before you moved to Oregon?
26.	□ Not Applicable   □ California   □ Idaho   □ Washington   □ Other		I you live before you moved to Oregon?
26.	□ Not Applicable   □ California   □ Idaho   □ Washington   □ Other		I you live before you moved to Oregon?
26. 27.	□ Not Applicable   □ California   □ Idaho   □ Washington   □ Other		I you live before you moved to Oregon?

eas	e feel free to provide any additional comments in the space provided:
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	THANK YOU VERY MUCH FOR PROVIDING THIS INFORMATION
	The Oregon Natural Hazards Workgroup at the University of Oregon's Community Service Center prepared this survey. Implementation of this survey is made possible by funding from Oregon Emergency Management and the Public Entity Risk Institute.
	For more information, please contact Oregon Natural Hazards Workgroup
	at 1209 University of Oregon, Eugene, OR 97403-1209, call (541) 346-3653, or visit www.OregonShowcase.org