

Natural Hazard Mitigation Plan

Report to City Council

December 9, 2004

Portland Office of Emergency Management



Introduction

Miguel Ascarrunz, POEM Director

- Purpose of hearing is to ask Council to approve Hazard Mitigation Plan for submittal to OEM and FEMA
- Disaster Mitigation Act of 2000 requires Plan to be eligible for funding
- Approval process includes City, State and Federal review
- Many disciplines included in collaborative process of outlining current and needed actions to prevent loss of life and property

What is a natural hazard mitigation plan?

- Identifies hazards and defines vulnerabilities
- Suggests specific actions that will reduce loss for a community
- Coordinates the activities of the multiple bureaus involved in mitigation
- Non-regulatory (adopted by resolution)

Why create a plan?

- Risk identification/assessment and mitigation planning provides:
 - Foundation for effective mitigation strategies and community partnerships
 - Basis for strong project and grant application development
 - Coordination among multiple entities
 - Coordination of multiple priorities
 - More efficient and effective use of resources

Mitigation Planning Opportunities

- Understand risks and vulnerabilities
- Aware of mitigation opportunities
- Ready to take action
- Reduce impact of hazards
- Save lives and property
- Support rapid recovery
- Create more sustainable communities

What the Plan is Not

- Not Regulatory
- Not Restricted to Prioritized Implementation or Approaches
- Not a Non-funded Mandate

Planning Process

Dr. Ron Tammen, Steering Committee Chair



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Portland's Planning Process

- Introduction of Steering Committee
- Develop the Plan under Steering Committee direction
 - Created Goals & Objectives
 - Selected 5 top hazards - floods, earthquakes, wildfire, severe weather, and landslides
 - Builds on risk assessment completed in 3/04
 - Draft complete by January 1, 2005

Steering Committee

- Created subcommittees
- Approved development of Plan
 - Risk Assessment
 - Hazard Strategies
 - Priorities
 - Maintenance Plan

Decision-Making Points

- Identify actions which mitigate all hazards
- Meet criteria of the Disaster Mitigation Act of 2000
- Establish ongoing partnerships with external partners of committee
- Establish integrated and ongoing management of plan

Progress and Next Steps

- Final draft is complete
- State and FEMA approvals
- Subcommittees meet to implement
- Review annually by Disaster Policy Council and External Review Committee

Overview of Plan

Elise Marshall, POEM Assistant Director

- HAZUS-MH pilot provided detailed risk assessment
- All-Hazard chapter outlines work that will benefit many
- Partnership for implementation formed between Planning and POEM
- Hazard specific chapters consolidate many bureau actions re: hazard

Plan Criteria

- **We are asking Council to adopt a plan which meets federal criteria as follows:**
- Public Involvement
- Hazard Description
- Previous Occurrences
- Probability
- Vulnerability to Assets
- Impacts to Assets
- Mitigation Goals

Plan Criteria (contd.)

- Mitigation Objectives (Optional)
- Prioritization Process
- Mitigation Actions and Projects
- Cost/Benefit Analysis
- Implementation Options
- Monitoring, Evaluating and Updating
- Schedule of Maintenance
- Continued Public Involvement

Creating Action Items

- Five subcommittees developed hazard specific chapters
- Subcommittees include reps from all related bureaus
- Action items based on risk assessment results

Example All Hazard Action Items

- Acquire Light Detection and Ranging (LIDAR) images of the Portland Metro area and the Bull Run Watershed.
- Develop a public outreach program to raise awareness of hazard risk.
- Develop citywide vegetation protection/planting goals, policies, plans, and implementing tools. Coordinate with vegetation management strategy development for wildfire, flood, and landslide hazard mitigation.

Implementing the Action Items

- Plan is non-regulatory, so actions will be implemented at bureau discretion through existing programs or regulatory processes
- Disaster Policy Council will coordinate implementation and complete a formal review
- Plan updated every five years

Committee Reports

- All Hazards
- Wildland Urban Interface Fire
- Flood
- Severe Weather
- Landslides
- Earthquake

All Hazards

Betsy Ames, Planning Bureau



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All Hazards

- Land Use Goal #7
- Comprehensive Plan
- Partnership with POEM
- Action Items

Wildland Urban Interface Fire

John Nohr, Special Operations Chief

Dick Haney, Subcommittee Chair



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Wildland Urban Interface Fire

- Value to bureaus/agencies involved
- 27,100 households at risk
- \$7,833.3M total exposure at risk
- Vulnerability
- Committee membership
- Action Items

Flood

Dean Marriott, BES Director

Daniela Cargill, Subcommittee Chair



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Flood

- Value to bureaus/agencies involved
- 1996 Flood and Landslide Mitigation Plan
- 11,900 households at risk
- \$3,893.2M assets exposed
- Committee membership
- Action Items

Severe Weather

Jeanne Nyquist, BOM Director

Dave Harrington, Subcommittee Chair



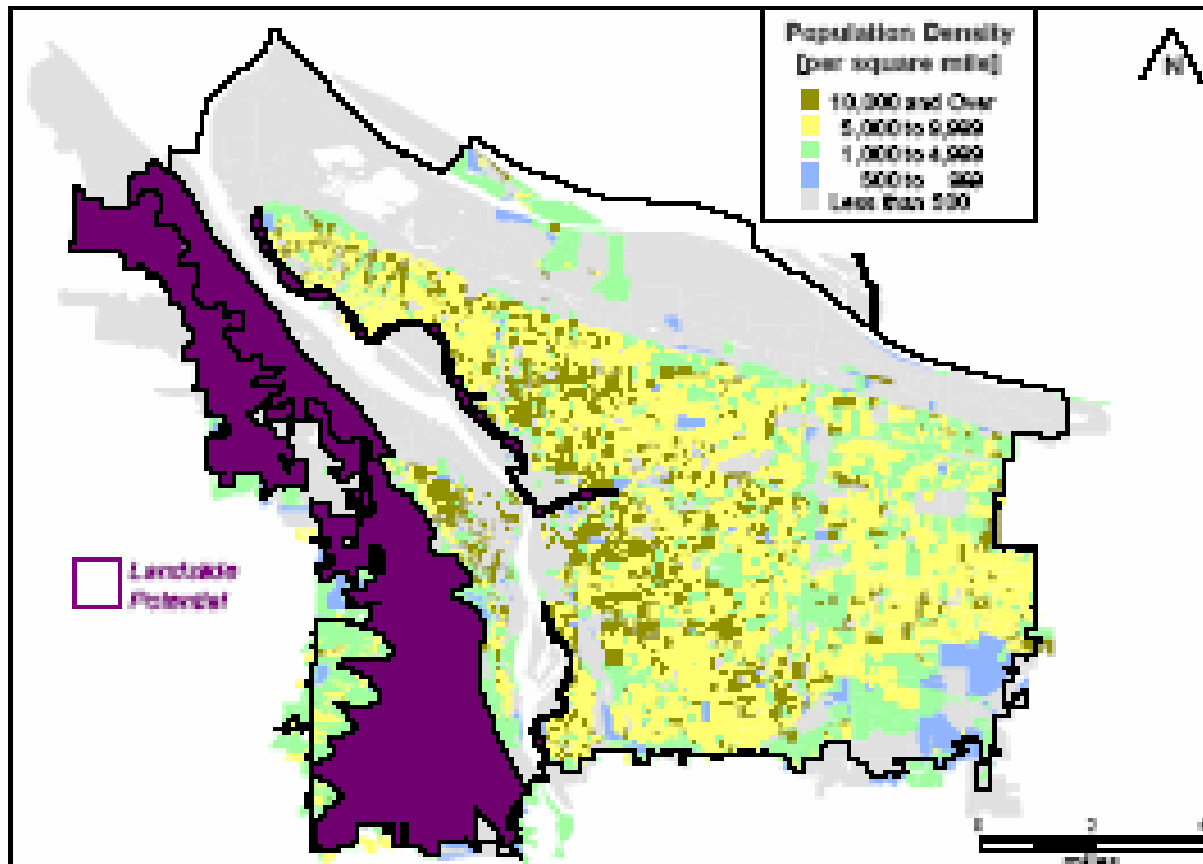
Severe Weather

- Lessons learned from 2003-04
- Tabletop session Dec. 17th
- Value to bureaus/agencies involved
- Committee membership
- Action Items

Landslides

Liane Welch (BOM), Subcommittee Co-Chair

Bill Freeman (BDS), Subcommittee Co-Chair



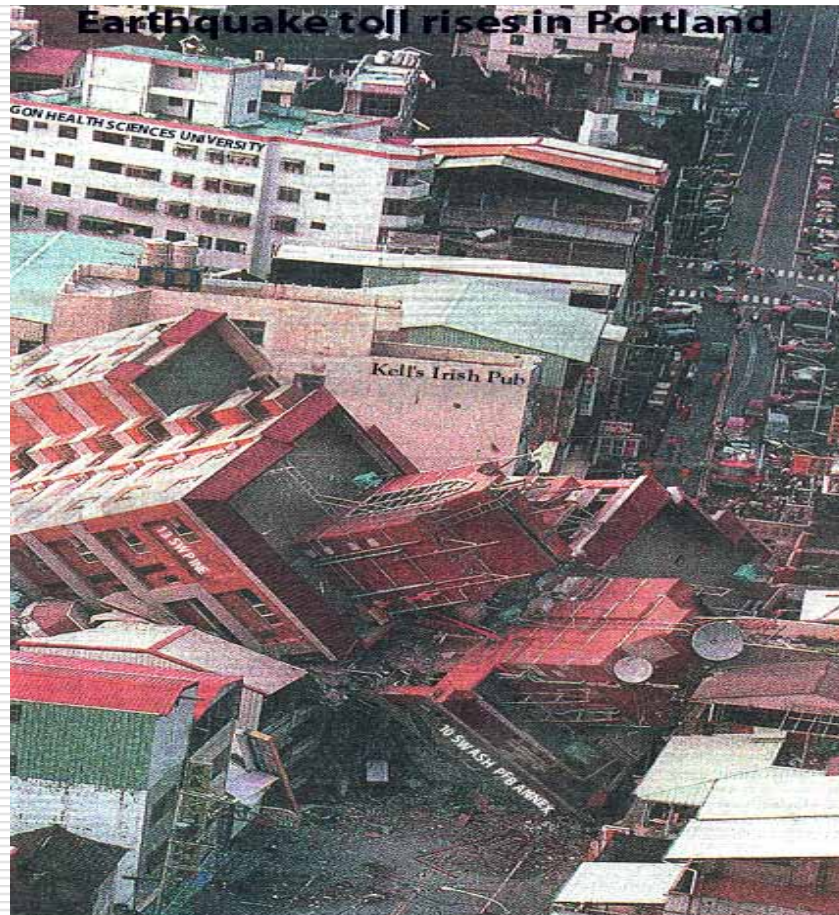
Landslides

- 1996 Flood and Landslide Mitigation Plan
- Lessons learned
- Value to bureaus/agencies involved
- Property and lifelines at risk
- Committee membership
- Action Items

Earthquake

Ann Kohler – BDS Site Services

Jed Sampson – Sub-Committee Chair



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Earthquake

- Value to bureaus/agencies involved
- 7,500 to 8,000 households displaced
- \$4,369.3M estimated loss
- Committee membership
- Key Action Items

Steering Committee Comments

- Siltronic Corporation
Myron Burr
- Citywide Land Use Group
Bonny McKnight
- Ashforth Pacific Property Mgmt.
Wade Lange
- Audubon Society of Portland
Meryl Redisch

External Partners Review

- Importance to agency
- Lessons learned
- Next steps

FEMA and Oregon EM Comments

- FEMA Region X
John Pennington, Director
- Oregon Office of Emergency Management
Ken Murphy, Director

Plan Review and Approval Process

44 CFR Part 201.6(d):

- “Plans must be submitted to the State Hazard Mitigation Officer for initial review and coordination.”
- “The state will then send the plan to the appropriate FEMA Regional Office for formal review and approval.”
- “Regional review will be completed within 45 days after receipt from the state, whenever possible.”

Plan Review and Approval Process

- Post-adoption State/FEMA Review
 - Plan reviewed to verify adoption by local governing body
 - Notification of plan approval on five-year cycle
- What the Mitigation Plan can mean to the City

Public Comment



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