Community Health & Public Safety, Part 1: Healthy, Safe People

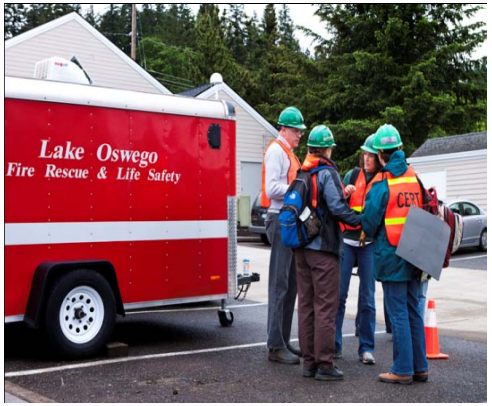
Planning for People, Places and Prosperity

Reference Document B

6. Community Health & Public Safety

◆ Public Safety ◆ Public Facilities ◆ Solid Waste ◆ Air Quality ◆ Food Access & Nutrition ◆ Water Treatment & Delivery ◆ Natural Disasters ◆ Energy

Lake Oswego is a safe place to live & promotes active living and healthy lifestyles for people of all ages.



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Part 1: Healthy, Safe People

- Natural Disasters & Hazards (tonight)
- Energy & Climate Change (tonight)
- Food Access & Nutrition (to come)

Part 2: Public Facilities & Services

- City Services (July)
- Public Facilities (July)
- Extension of City Services/Urbanization (Aug.)

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Part 1 Goals & Policies: How the City contributes to

- L.O.'s safety and health by minimizing natural hazard exposure,
- sustainable choices (meet LO's needs without compromising future generations' needs); and
- community health through design, infrastructure or other tools.

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Tonight's Review

- Factual questions re: reports
- Did we get it right: Have we captured the key issues?
- Policy Questions – What should we ask in the community survey?

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Hazards Definition

- **Goal 7: "To protect life and property from natural disasters and hazards. "**

- **Disaster/Hazard: currently includes landslides, earthquakes, flooding**

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What LO Goals Apply?

Topic	Current Plan Chapter and Goal	Current Sections Included
Natural Disasters and Hazards	7: Areas Subject to Natural Disasters and Hazards	7.1 Flood Hazards
		7.2 Earthquake Hazards
		7.3 Landslides, Erosion and Unstable Soils

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Who Plans for Hazards?

- Federal , State, Regional
- Clackamas County Emergency Management
- City
  - Policy/programs: City Emergency Mgmt Program, CIP
  - Development: Public Works, Planning and Building Services, Fire

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How do we plan for hazards?

- Develop inventories
- Adopt policies
- Develop implementing measures such as land use regulations to protect people and property

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Current CompPlan Goals:

The City shall protect life and property from:

- flood hazards (Goal 7.1)
- earthquake hazards (Goal 7.2)
- hazards associated with landslides, soil erosion and unstable soils (Goal 7.3)

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How is it implemented?

- **Natural Hazards Mitigation Plan**
  - Assesses hazard vulnerability of City's assets
- **Lake Oswego Public Facilities Plan (PFP)**
- **City of Lake Oswego Community Development Code**
- **City of Lake Oswego Municipal Code**
- **Maps**

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Why does it matter?

- Climate change can increase hazards
  - Higher temps. can lead to drought,wildfire risk
- Extreme precipitation can saturate soils, overburden stormwater systems, leading to flooding and landslides
- Coordination across disciplines can provide efficiencies; for example, managing woodlands on steep slopes, restoring natural areas in floodplains

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Community Development Code:

- Greenway Management Overlay
- Sensitive Lands
- Flood Management Area
- Weak Foundation Soils
- Hillside Protection
- Drainage
- Maps:
  a. LO Flood Management Area
  b. Weak Foundation Soils Atlas
  c. Sensitive Lands Atlas

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Changes Since 1994: Floods

- 1996 flood events: Tualatin R. highest ever
- 2008 floodplain map adjustments
- Restoring floodplains (Foothills Park)
- Updated major infrastructure: LOIS, water
- Lake Corp changes to dam removed 200+ properties from floodplain (est. Fall 2012)
- Vulnerability: infrastructure

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Changes Since 1994: Landslides

- Significant landslides occurred in 2007, 2008, 2009 and 2010; high cost
  - 2010 (ACC/Tryon) = $750,000 remediation
  - Not covered by most home insurance
- New mapping technology available
- Dependent on stability of soil, slope, rain,vegetative cover and geology
- Vulnerability: ACC, infrastructure

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Changes Since 1994: Earthquake

- Active fault (Cascadia); estimate 10-20% chance of a "big one" in next 50 years
- 2 other faults near LO
- Severity of risk depends on soil, slope conditions; fault location, magnitude
- Vulnerability: Seismic regulations updated every 4 years; changed since most City assets built.

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Changes Since 1994: Other

- Natural Hazards Mitigation Plan; identifies 6 hazards: CompPlan 3 + volcanoes, severe storms, wildfire
- Probability of wildfire = moderate; mapped
- Severe storms = high; Emergency Plan addresses
- Volcanoes = low probability

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Changes Since 1994:

- More focus on hazard planning due to major events nationwide: preparation; update of development codes
- Less vacant land for development; more constrained parcels
- Expanded impervious paving can increase stormwater impacts on soil capacity

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Key Issues for Update

- Reflect recent hazard events; coordinate with NHMP
- New technologies for mapping and mitigation: use them to update code?
- Aging infrastructure vulnerability
- Development trends

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Key Issues for Update

- **Private v. public costs**
  - **Should hazards be included as a development constraint? How would the City implement?**
  - **New mapping may impact devpt. options**
- **Balance protection of City's natural resources with hazard mitigation principles**

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Discussion

- **Policy Questions – What should we ask in the community survey?**
  - **Focus on an integrated approach, how it all fits together; raising awareness**
  - **How to protect life and safety on private property and in new development?**
    - **New maps; risk management**
    - **Explore the trade-offs**
  - **How do we increase hazard resiliency?**

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Discussion

- Factual questions re: reports
- Did we get it right: Have we captured the key issues?

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