



**Agenda**  
**City of Portland Natural Hazard Mitigation Plan Update**  
**2nd Steering Committee Meeting**  
 Wednesday, August 19, 2015, 4:00 to 6:30 PM  
 Providence Portland Medical Center, Room HCC-1  
 4805 NE Glisan St., Portland, OR 97213  
 Call in Number: 866-692-5721 Code: 564-2302



**Objectives**

- Confirm chairpersons, meeting tools, and ground rules
- Clarify the purpose of mitigation in emergency management
- Review and briefly discuss the OEHR equity training
- Perform a public involvement capability brainstorming session
- Review plan review comments and discuss document outline
- Identify hazards of concern
- Introduce next steps and review action items

4:00pm – 4:25pm	<b>Welcome and introductions</b> <ul style="list-style-type: none"> <li>• Round-table introductions</li> <li>• Establish quorum</li> <li>• Introduce new members for confirmation</li> <li>• Review agenda</li> <li>• Public comment</li> <li>• Review action items and approve meeting summary <i>(Handout – SC#1 Summary)</i></li> </ul>	Danielle Butsick <i>PBEM</i>
4:25pm – 4:50pm	<b>Meeting tools and Steering Committee ground rules</b> <ul style="list-style-type: none"> <li>• Co-chairperson introduction and confirmation</li> <li>• Meeting tools introduction <i>(Handout #1)</i></li> <li>• Review and confirm ground rules <i>(Handout #2)</i></li> </ul>	Danielle Butsick <i>PBEM</i> Kristen Gelino <i>Tetra Tech</i>
4:50pm – 4:55pm	<b>Mitigation in emergency management</b> <ul style="list-style-type: none"> <li>• Review the purpose and meaning of mitigation</li> </ul>	Danielle Butsick <i>PBEM</i>
4:55pm – 5:10pm	<b>OEHR equity training recap</b> <ul style="list-style-type: none"> <li>• Review and brief discussion</li> </ul>	Chairperson All
5:10pm – 5:40pm	<b>Public involvement strategy</b> <ul style="list-style-type: none"> <li>• Overview</li> <li>• Capability discussion and brainstorm</li> </ul>	Kristen Gelino <i>Tetra Tech</i> All
5:40pm – 6:05pm	<b>Plan review</b> <ul style="list-style-type: none"> <li>• Overview of plan review process</li> <li>• Review of comments <i>(Handout #3)</i></li> <li>• Discuss document outline <i>(Handout #4)</i></li> <li>• Discuss vision/guiding principle</li> </ul>	Kristen Gelino <i>Tetra Tech</i>
6:05pm – 6:25pm	<b>Risk assessment update</b> <ul style="list-style-type: none"> <li>• Identify hazards of concern <i>(Handout #5)</i></li> <li>• Data dictionary update <i>(Handout #6)</i></li> <li>• Introduce critical facility definition</li> </ul>	Kristen Gelino <i>Tetra Tech</i>
6:25pm – 6:30pm	<b>Next steps and action item review</b>	Kristen Gelino and Carol Baumann <i>Tetra Tech</i>
6:30pm	<b>Adjourn</b>	

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# Handout #1

## Ground Rules Attachment A: Meeting Facilitation

### COMMITTEE CO-CHAIRS

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

One Chair and one Vice-Chair will serve at each steering committee meeting. Each Co-Chair will be off-duty approximately once every three months, depending upon scheduling needs. The Co-Chairs will determine scheduling in advance of each meeting. If a substitute is needed, Co-Chairs will work with the other Co-Chairs and the Planning Team to designate an alternate.

### Responsibilities

#### **Chair**

The Chair will be responsible for facilitating discussion during meetings. During normal discussion, the Chair will manage committee comments and questions, calling on members in the order they requested to speak. The Chair will also receive comments and questions from non-committee members at her or his discretion. If the topic becomes contentious or several members wish to provide comment, the Chair may request assistance from the Vice-Chair.

#### **Vice-Chair**

The Vice-Chair will manage committee and public comments when requested by the Chair, or when the topic becomes contentious or several members wish to provide comment. While managing comments, the Vice-Chair may also call on members of the public at her or his discretion.

### Self-Representation

While acting as Chair or Vice-Chair, the Co-Chairs may represent their own interests, thoughts, and opinions so long as they do not use their position to overstep others. Comments from the acting Chair or Vice-Chair will be received in the same manner as comments from other members.

## MEETING MANAGEMENT

### Seating

Whenever possible, the meeting room will have a U-shaped conference table large enough for the entire steering committee. To facilitate accurate consensus and voting representation, conference table seating will be reserved for voting steering committee members and planning team members. In situations where a bureau or organization has both a primary member and a designated alternate present, only the primary member will be seated at the conference table. Additional seating for non-voting stakeholders and members of the public will be provided. Name tents will be placed on the conference table prior to the start of each

meeting; this will not indicate assigned seating for committee members. Committee members are free to choose any seat at the table which meets their needs.

## Comment/Question Queue

At the discretion of the Chair and Vice-Chair, a whiteboard may be used to keep a running list of names of committee members and members of the public who wish to provide comments or questions. The Vice-Chair is responsible for managing the queue and ensuring committee members are called upon for comment. Members of the public may be added to the list at the Vice-Chair's discretion. Normal conversation is preferred, and this method will be employed only when deemed necessary by the Chair and/or Vice-Chair.

## Voting Cards

Each steering committee member will be provided with a set of three colored cards to be used in committee discussions or voting activities. Committee members will use these colored cards to indicate their needs or voting preferences during discussion.

**Red** indicates a “no” answer during a vote. During discussion, a red card indicates that a committee member wishes to express a dissenting opinion or is uncomfortable with the present discussion. Red cards will be addressed in the order they are received.

**Yellow** indicates an “undecided” or “abstaining” vote. During discussion, a yellow card indicates that a committee member requires clarification before the conversation can continue. For example, a member might use a yellow card to request a definition when an acronym is used. Yellow cards will be addressed immediately, and should be used judiciously.

**Green** indicates a “yes” answer during a vote. During discussion, a green card indicates that a member has a supporting comment or question. Green cards will be addressed in the order they are received.

A set of cards will be provided for each committee member at every meeting. Each card will have its color name printed in text, and will include the above definition for its purpose. Cards will be collected from committee members after each meeting.

## Handouts

All handouts will be printed and provided for committee members at each meeting.

## COMMITTEE MEMBERSHIP

The Planning Team will maintain a roster for the steering committee. Committee members are free to designate alternates at their discretion. New voting members will be added at the committee's discretion. If a stakeholder or member of the public wishes to join the committee as a new voting member, she or he will be presented to the committee for confirmation.

# Green

**Green** indicates a “yes” answer during a vote. During discussion, a green card indicates that a member has a supporting comment or question. Green cards will be addressed in the order they are received.

**Yes**

# Red

**Red** indicates a “no” answer during a vote. During discussion, a red card indicates that a committee member wishes to express a dissenting opinion or is uncomfortable with the present discussion. Red cards will be addressed in the order they are received.

**No**

# Yellow

**Yellow** indicates an “undecided” or “abstaining” vote. During discussion, a yellow card indicates that a committee member requires clarification before the conversation can continue. For example, a member might use a yellow card to request a definition when an acronym is used. Yellow cards will be addressed immediately, and should be used judiciously.





## Handout #3: Ground Rules

### PURPOSE OF THE STEERING COMMITTEE

The role of the Steering Committee is to guide the planning process for the City of Portland Natural Hazard Mitigation Plan (NHMP) update, and to foster an equitable approach to building Portland's resilience to natural hazards. The Steering Committee will provide guidance and leadership, oversee the planning process, and act as a point of contact for local governments, neighborhoods, and community groups interested in this planning effort, working to ensure that all Portlanders have equal access to projects that reduce their risk from natural hazards. Members of the Steering Committee represent a cross-section of views and interests across Portland. Through this inclusion of diverse interests, the Steering Committee hopes to enhance the robustness of the planning effort and to build support for hazard mitigation activities across stakeholder groups. A successful planning effort will result in the adoption and approval of a NHMP that sets the stage for equitably reducing the adverse impacts of natural hazards within the City through activities and strategies embraced by both elected officials and the people of Portland.

### DEFINITION OF STAKEHOLDER

Stakeholders for this planning process are persons and agencies that have a vested interest in the recommendations and implementation of the Portland NHMP. Stakeholders include residents; community groups; business owners; local, state and federal agencies; elected officials; visitors; neighboring communities; and others.

### CHARGE STATEMENT

During the course of the City of Portland Natural Hazard Mitigation Plan (NHMP) Update, the Steering Committee will:

- guide the planning process,
- develop strategies for public involvement that foster mutual information exchange during plan development and implementation,
- promote and advocate for equity in hazard mitigation, and
- support the develop of mitigation strategies that promote a decrease in loss of life, property damage, and long-term impacts to social, environmental and economic systems from natural hazards.

**Option 1:** ~~During the course of the City of Portland Natural Hazards Mitigation Plan (NHMP) update, the Steering Committee will provide guidance and leadership, oversee the planning process, and foster communication with project stakeholders to strive for equal access to projects and information related to the reduction in risk from natural hazards for all Portlanders.~~

**Option 2:** The Steering Committee for the City of Portland Natural Hazards Mitigation Plan (NHMP) update will guide the planning process and foster an equitable approach to building Portland's resilience to natural hazards.

**Option 3:** ~~During the course of the City of Portland Natural Hazards Mitigation Plan (NHMP) update, the Steering Committee will guide the planning process and promote equity in hazard mitigation to develop a~~

**Commented [GK1]:** Steering Committee – please note that this is based on the discussion from the previous meeting and further revisions may be needed.

~~NHMP that promotes a decrease in loss of life, property damage, and long term impacts to the economy from natural hazard events.~~

## CHAIRPERSON AND VICE CHAIRPERSON

~~\_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_~~ have been selected as the ~~co-chairpersons~~ and ~~Person B~~ has been selected as the ~~vice chairperson~~ of the Steering Committee. ~~The Co-chairpersons will rotate acting Chairperson and Chairperson Support roles.~~ The role of the ~~chairperson~~ acting Chairperson for each meeting is to:

- lead meetings so that agendas are followed and meetings adjourn on-time;
- allow all members to be heard during discussions;
- moderate discussions between members with differing points of view; and
- be a sounding board for staff in the preparation of agendas and on how to best involve the full Committee in work plan tasks.

~~The role of the vice chairperson is to assume the duties of the chair when the chairperson is not able to attend a meeting or forum. role of the Chairperson Support person will be to assist in timekeeping and to assist in tracking the order in which members have indicated they would like to comment, particularly when agenda items are contentious.~~

## QUORUM

A quorum for the Steering Committee will be ~~#17~~ members. When less than ~~#17~~ members are present at a meeting, items listed on the agenda may still be reviewed and discussed; however, any committee action as to those items will be postponed until a quorum is present.

## ALTERNATES

Committee members were selected for the Steering Committee based on their specific backgrounds and perspectives on matters related to hazard mitigation. Regular attendance by members is needed to understand the issues presented, identify and reflect on various stakeholder perspectives, and reach agreements on plan recommendations. However, there may be circumstances when regular members cannot attend. To address these circumstances, alternates may be designated for each Steering Committee member. An alternate attending on behalf of a Steering Committee member shall have the same rights and responsibilities as the Steering Committee member during that meeting. Alternates will be included on all Steering Committee emails and should remain apprised of the business of the Steering Committee.

## DECISION-MAKING

The Steering Committee will strive for consensus in its decision-making process. If consensus cannot be reached as to a particular item or issue, the Steering Committee's decision will be determined by a majority vote of the Committee members in attendance at the meeting, and the meeting summary will reflect the number of votes in favor, opposed, and in abstention. Any Steering Committee member may request that dissenting opinions be included in the meeting summary.

In the event that an issue brought to a vote results in a tie, 20 additional minutes of discussion time will be allotted for the topic. A re-vote will be conducted at the end of the allotted time. If the vote still results in a tie, decision-making authority will be handed over to the lead agency, Portland Bureau of Emergency Management (PBEM). PBEM may choose to decide on the issue, extend the time allotted for discussion or carry the item over to the next agenda.

## RECOMMENDATIONS

The Committee's recommendations will be recorded in the meeting summaries and reflected in the NHMP, as appropriate. The Committee may also be asked to assist in public outreach efforts and public presentations of the NHMP and its recommendations.

## STAFFING

The Planning Team for this project includes appropriate personnel from the City of Portland Department of Emergency Management, along with contract consultant assistance provided by Tetra Tech, Inc. The Planning Team will schedule meetings, distribute agendas, prepare information/presentations for Committee meetings, write meeting summaries, and generally seek to facilitate the Committee's activities.

A City designated Public Information Officer (PIO), ~~Person C (XXX) XXX XXXX~~ [Dan Douthit 503-823-3928](tel:5038233928), will be the designated spokesperson for this planning effort.

## MEETING DATES

Meetings generally will be conducted on the ~~X<sup>th</sup>~~-~~3<sup>rd</sup>~~-~~Wednes~~ day of each month from ~~4:00~~~~30~~ PAM to ~~6~~~~42~~:30 PM at the [City of Portland City Hall Wyeast Conference Room, Level L1, 501 N Dixon St. Portland, OR 97227](#). A teleconference number will also be provided for those wishing to join the meeting, but who are unable to attend in person. The planning team requests that steering committee members be given first priority for spaces on the conference line in the event those who choose to utilize the call-in option exceeds the line capacity. Meetings that conflict with religious, state or federal holidays will be rescheduled at the Steering Committee's discretion. Such scheduling changes will be noted on the hazard mitigation plan website. Meetings will be open to the public and will be advertised as such.

## ATTENDANCE

Participation of all Committee members in meetings is important and members should make every effort to attend each meeting. If Committee members ~~and their designated alternates will not be able~~ are unable to attend a meeting, they should provide as much advance notice as reasonably possible to the Planning Team before the meeting is conducted. If neither a Steering Committee member nor his or her alternate attends ~~#~~ 2 consecutive meetings ~~or 3 cumulative meetings~~, the Steering Committee chairperson will reach out to the member to determine if participation will still be possible. The Steering Committee will strive to maintain the Steering Committee membership at ~~#-33~~ members with a representative makeup similar to the initial committee makeup.

## PUBLIC INVOLVEMENT

All Steering Committee meetings will be open to the public.

Members of the public wishing to address the Steering Committee at a meeting may do so based on the following protocol:

- While the agenda is reviewed at the beginning of each Steering Committee meeting, the chairperson will ask if anyone wishes to be heard. Normally, a Anyone wishing to speak will be given three minutes and Steering Committee members may then ask questions. This allotted time cannot be aggregated or passed on to another individual.

- ~~The time allocation for public comment at each meeting will be determined by the chairperson or a vote by the Steering Committee membership.~~
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- When many people are expected to testify, sign-up lists will be provided.
- ~~The time allocation for public comment at each meeting will be determined by the chairperson or a vote by the Steering Committee membership.~~
- Written materials may also be submitted to the Steering Committee for distribution to members either prior to or at the meeting. Written material for distribution to members may also be submitted by those unable to attend in person.
- Those wishing to make video or PowerPoint presentations should check with the Planning Team prior to the meeting ([danielle.butsick@portlandoregon.gov](mailto:danielle.butsick@portlandoregon.gov)).
- All comments must have relevance to the NHMP and the planning area. Relevance will be determined by the chairperson.

A member of the public may request clarification from the Steering Committee by raising his or her hand during the normal course of the meeting; however, permission to speak will be granted at the discretion of the chairperson.

The meeting agendas for all Steering Committee meetings will be posted on the NHMP website a minimum of 72 hours prior to all scheduled meetings (<https://www.portlandoregon.gov/pbem/67578>).

## COURTESY

Committee members ~~should~~ will treat each other with respect, listen to each other, work cooperatively, and allow all members to voice their opinions.

**STEERING COMMITTEE MEMBERSHIP**

<b>Agency</b>	<b>Primary Member</b>	<b>Alternate</b>
<b>Bureau of Environmental Services (BES)</b>	Maggie Skenderian	Kate Carone
<b>Bureau of Planning and Sustainability (BPS)</b>	Kevin Martin	
<b>Bureau of Planning and Sustainability (BPS)</b>	Sallie Edmunds	Roberta Jortner
<b>Office of Equity and Human Rights (OEHR)</b>	Danielle Brooks	
<b>Parks &amp; Recreation</b>	Vicente Harrison	
<b>Fire and Rescue (PF&amp;R)</b>	Leo Krick	Laurent Picard
<b>Bureau of Technology Services</b>	Paul Cone	
<b>OHSU Institute on Development and Disability/Oregon Office of Disability and Health</b>	Justin Ross	Jessica London
<b>Portland Audubon Society</b>	Bob Sallinger	Micah Meskel
<b>Oregon Food Bank</b>	Dean Alby	
<b>Rosewood Initiative</b>	Tony Lamb	
<b>Philippino American Community</b>	Simeon Mamaril	
<b>Intel</b>	Jeff Soulages	
<b>Department of Homeland Security</b>	Glen Collins	
<b>NET/ARES/LEPC</b>	John Steup	
<b>Downtown NET/NWN</b>	Darlene Urban Garrett	
<b>PAALF Groundwork Portland</b>	Solamon Ibe	
<b>Brummell Enterprises, SMILE Member, Sellwood/Moreland</b>	Karen Tam	Bob Burkholder
<b>Portland Water Bureau</b>	Mary Ellen Collentine	Mike Saling
<b>Simpson Strong-Tie</b>	Shalini Prochazka, S.E.	David Gilroy
<b>Bureau of Development Services</b>	Kathy Roth	Mark Fetters
<b>East Portland Action Plan</b>	Jeremy O'Leary	
<b>Immigrant and Refugee Community Organization IRCO</b>	Ronault (Polo) LS Catalani	
<b>Coalition of Communities of Color</b>	Maggie Tallmadge	

Agency	Primary Member	Alternate
<b>Hayden Island Neighborhood Network (HINoon)</b>	Jeff Geisler	
<b>Linnton Neighborhood Association</b>	Rob Lee	Darise Weller
<b>St. Johns Neighborhood Association</b>	Jennifer Levy	Emilie Saks-Webb
<b>Portland Public Schools</b>	Molly Emmons	
<b>Portland Voz</b>	Ranfis Giannettino Villatoro	
<b>Bureau of Emergency Management</b>	Jonna Papaefthimiou	
<b>Office of Neighborhood Involvement (ONI)</b>	Nickole Cheron	
<b>Oregon School Boards Association</b>	Siobhan Burke	
<b>OHSU Emergency Management</b>	Sherrie Forsloff	Mike Nurre

DRAFT



# Handout #3: Plan Review Comments

## 2010 Portland NHMP and 2015 Oregon State NHMP

### Summary of Questions 12 through 15 in Plan Review 1 Survey

Note: Planning team notes to comments are included in sub-bullets and italicized.

#### **Question 12. General comments on organization, format, etc.**

- **OR and Portland:** The plan is not particularly accessible to a variety of audiences. We should think about a variety of audiences so we write and construct ours in a way that facilitates creating summaries in different formats and languages and it's interesting and compelling.
  - *The planning team is going to suggest revisions to the document format that we believe will make it more user-friendly. We are also committed to using plain language to present information on hazards and risk. Additionally, the planning team has committed to producing a summary document that will be utilized as a public outreach tool. We should have a draft table of contents for the steering committee's review at the next steering committee meeting.*
- **OR and Portland:** Format and organization is good.
- **OR and Portland:** Request to revisit the topic.
  - *Review and discussion of the plan will continue as we move throughout the planning process and as we focus-in on various sections. Right now we are most interested in very broad comments as we know you most likely did not have time to read all of both of the plans! Additional comments are welcome at any time.*
- **OR:** Maps are not great.
  - *The Portland Bureau of Technology Services will be producing all maps for this plan.*
- **OR:** Identification of hazards by region is very good and we may want to do the same for the City.
  - *The planning team had the same idea! We will be making a recommendation and discussing it during the August meeting.*
- **Portland:** Need a way to be sure we actually do the follow up we say we're going to AND we should be telling people about it.
  - *As part of this planning process the steering committee will be developing a public involvement strategy for the plan update timeframe, a strategy for continued public involvement, and a strategy for plan implementation and maintenance. Stay tuned!*

#### **Question 13. Description of hazards and risk in a manner that the public is able to understand**

- **OR and Portland:** Make sure that everyone understands that they are stakeholders.
  - *We will do our best to emphasize that all Portlanders are stakeholders in the plan in documents and public outreach material.*

- **OR and Portland:** Definitions of not commonly used words.
  - *The plan document will have a list of definitions and acronyms. Each hazard profile will also have a call out box with definitions most relevant for that hazard of concern.*
- **OR and Portland:** Moderately – see comments above.
- **Portland:** It is presented in a way that the general public can understand, fairly simplistic.

**Question 14. Lessons learned from previous efforts**

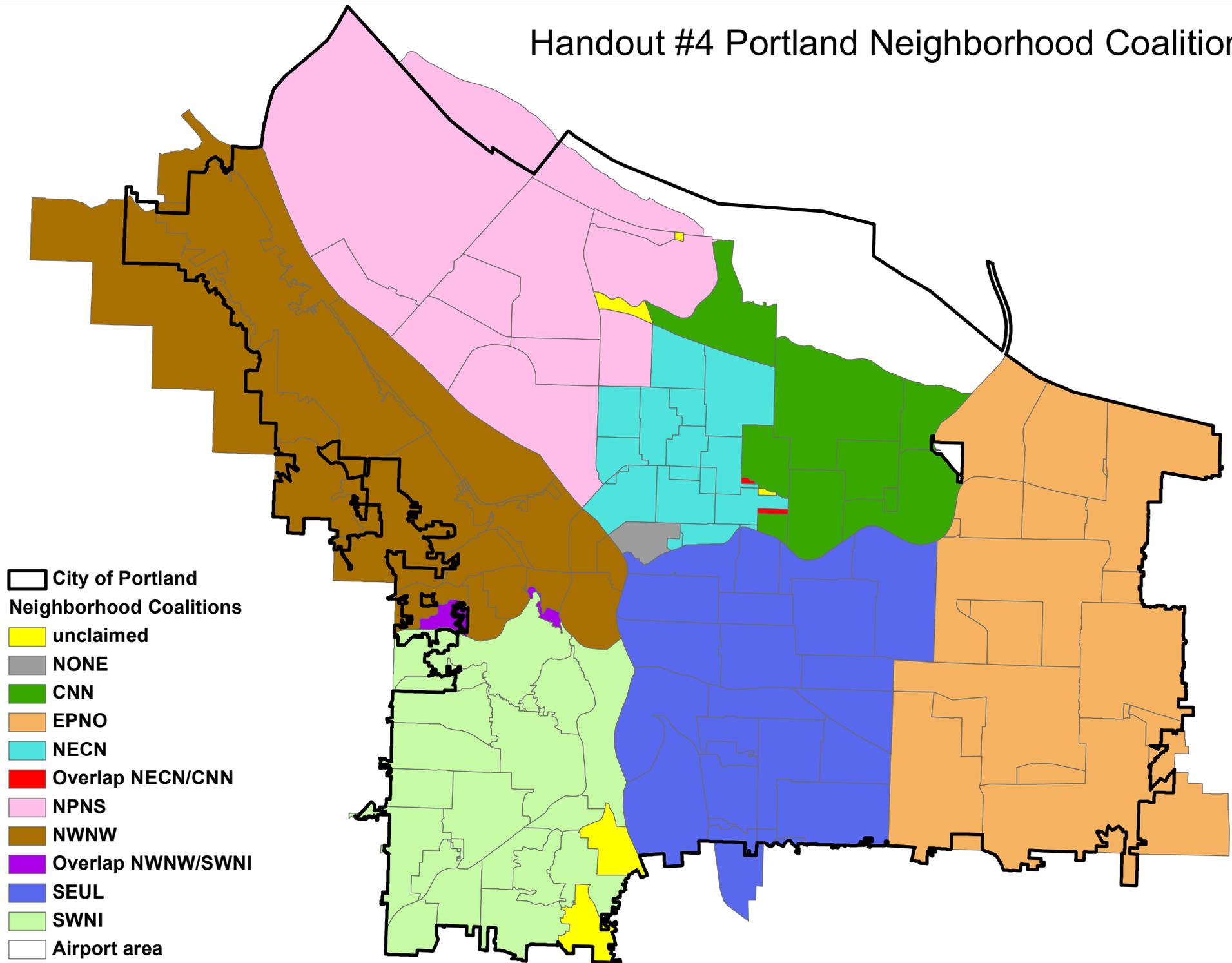
- We are planning ahead this time vs. doing our plan as if it is an emergency exercise :) We didn't have a Steering Committee outside of a few internal staff last time nor a meaningful public engagement process.

**Question 15. New data sources, reports, programs etc.**

- Updated NFIP maps
- Personal contact with U.S. Army Corps staffer responsible for coordination with local jurisdictions for emergency response
- May want to capitalize on recent New Yorker article or at least ride the momentum
- Oregon State University Professors with knowledge on Cascadia Subduction zone (Chris Goldfinger and Robert Yeats)
- Oregon Resilience Plan
- Portland Water Bureau's Seismic Study (in progress)

*Thank you! We will follow up/incorporate as appropriate!*

# Handout #4 Portland Neighborhood Coalitions





# Handout #5: Hazards of Concern

## Summary of Plan Review Survey 1 Questions 3 through 11

*Note: Planning team responses are italicized.*

### IDENTIFIED HAZARDS OF CONCERN

- Drought
- Earthquake
- Flood
- Landslide
- Volcanic Activity
- Wildfire/Wildland Urban Interface

### HAZARDS OF CONCERN REQUIRING ADDITIONAL DISCUSSION

#### Erosion

Should it be included as a standalone hazard:

- **Yes- 6 respondents (50%)**
- No- 5 respondents (42%)
- Unsure- 1 respondent (8%)

#### Comments:

- Erosion often occurs as a result of other issues, e.g. flooding, landslides and can cause major property damage (private and public e.g. bridges), loss of life and environmental impacts
- Has any new information about managing erosion come to light?
- Erosion has a direct impact on the performance of various protective systems within varying geographies. Mitigating against it's impact is critical.
- **Explanation for inclusion in 2010 plan:** Riverine, tributary and wind erosion occurs throughout the city in localized areas. The city is located inland and is not subject to coastal erosion.

#### Invasive Plant Species

Should it be included as a standalone hazard:

- Yes- 4 respondents (33%)
- **No- 6 respondents (50%)**
- Unsure- 2 respondent (17%)

#### Comments:

- I think we should focus on hazards that pose an immediate threat in our effort. Having said that, invasive plant species increase the likelihood of landslides and their removal and replanting of natives should be part of the actions we identify. The issue of invasive plants is being addressed fairly robustly via many City programs which should be highlighted and supported. Other invasive organisms e.g. zebra mussels, bugs that defoliate in mass quantities, etc. could also be noted and responsible parties identified.

- Definitely developed under erosion.
- As a former field botanist I do have experience working with invasive plants and I would like to address this topic as I've seen a lot of work on the subject being counter-productive.
- While invasive plants are clearly an issue, I believe it should be considered secondary to other, more directly damaging hazards.
- **Explanation for inclusion in 2010 plan:** The city is experiencing increased numbers of terrestrial and aquatic invasive plant species. For example, the English Ivy and Purple Loosestrife are aggressive, invasive introduced species.

## Severe Weather, Windstorm, Winter Storm

We will need to include both windstorm and winter storm, but we can include them under a broader umbrella of severe weather.

- **Severe Weather** (snow storms, freezing rain and ice storms, high winds, thunderstorms and tornadoes) - 3 respondents (25%)
- **Winter storms** (snow storms, freezing rain and ice storms) and **Wind storms** (high winds, thunderstorms and tornadoes) - 1 respondents (8%)
- **Severe Weather** (thunderstorms), **Winter Storms** (snow, freezing rain and ice storms) and **Wind storms** (high winds and tornadoes) - **5 respondents (42%)**
- **Unsure**- 3 respondent (25%)

### Comments:

- Severe weather should include extended periods with temperatures over 100 or greater, days at 107 or above. . . Check trend data on probability.
- I'm not attached to the logical grouping but there seems to be a significant missing element of addressing rapidly changing weather. My preferred term is global weirding when, for example, one month might be dry and hot and the next cold and wet.
- Each category carries it's own, unique signature damage and mitigation techniques.
- **Explanation for inclusion in 2010 plan as severe weather:** Severe weather impacts the city with climate change/global warming and changing El Niño/La Niña Southern Oscillation (ENSO) patterns generating severe weather events such as winter storms, severe rain, thunderstorms and tornadoes with subsequent secondary hazards such as floods, landslides, snow and wind etc.

## Dam and Reservoir Failure

Should it be included as a standalone hazard:

- **Yes- 11 respondents (92%)**
- No- 1 respondents (8%)
- Unsure- 0 respondent (17%)

### Comments:

- Levees? (*Note: levees are typically addressed as part of the flood profile*)

## Climate Change

How should climate change be addressed in the 2016 plan?

- Climate change should be profiled as a stand alone hazard. - 1 respondents (8%)
- Only a general overview of climate change should be included. - 1 respondents (8%)

- Climate change impacts likely to influence each hazard of concern should be included in each hazard profile. - 3 respondents (25%)
- Climate change should be addressed in a single chapter with a general overview of climate change and likely impacts to each hazard of concern. - 1 respondents (8%)
- **A climate change overview should be provided as stand alone chapter with likely impacts to each hazard of concern described in each hazard profile. - 6 respondents (50%)**
- Climate change should not be addressed. - 0 respondents (0%)

#### Comments:

- To determine mitigation strategies and actions required to reduce risk from any hazard, a hazard should be specifically defined. Climate change has a realistic impacts but is a very broad term which is why I feel that its influence needs be included each relevant hazard profile.
- Whichever makes it clearest and easiest to develop multi-objective projects.

#### Other Items Mentioned

- It would be good to know what the impact of a **tsunami** would be on Portland (I imagine it would effect the Columbia River (and islands) and the Columbia Slough) and assuming it does, it should be added.
  - *The 2010 plan did not profile tsunami. The following explanation was provided: The city is located inland and is not subject to tsunami impacts, although the Columbia River is subject to tidal influences. The 2015 Oregon State Plan did not identify tsunami as a hazard of concern for the Portland area.*
- A developed component on **URMs (unreinforced masonry)** and populations within these buildings to determine capacity to sustain if displaced.
  - *A URM Buidling Workgroup has been working on this issue and the development of a proposal for mandatory retrofitting of URMSs within the City. As part of this planning process, the planning team will coordinate with the URM group to prepare a list of mitigation strategies to be presented to the steering committee.*
- I'm hoping **drought** is addressed, along with **urban wildfire** and the near and long term mitigation of the destruction of the **sewer system**.
  - *Drought will be addressed as it was identified in the Oregon State plan. Urban wildfire is a component of the wildland fire/wildland urban interface hazard. The intersection between the hazards of concern sewer system can be discussed in terms of impacts on critical facilities and infrastructure and/or secondary hazards.*
- **Interface and wildland fires** in areas like rockybute and forest park.
  - *Wildfire and wildland urban interface will be addressed as a standalone hazard.*
- Obvious at this moment is the ongoing effects of **drought**, both immediate and long term.
  - *Drought will be addressed as a standalone hazard.*

#### Hazardous Materials

Hazardous material facilities and petroleum facilities exist within the City of Portland. *The planning team recommends that these facilities be included in our definition of critical facility and infrastructure that we will be developing over the next few meetings. This means that these facilities will be inventoried and*

*discussed in terms of their location within hazard zones (e.g. in a flood hazard area). The planning team also recommends that potential impacts from these facilities be discussed as potential secondary hazards of our main hazards of concern.* How do you think hazardous material/petroleum facilities should be addressed in the 2016 Portland Natural Hazard Mitigation Plan?

#### Comments:

- Review the building structure- is it an unsupported brick building. What kind of safety- automatic shut down systems are set in place? I.E: Something similar to a automatic gas shut off for residential homes.
- Historical data and potential impacts from failure of these facilities should be presented to the committee. Based on that information I will have a better understanding on how to address them.
- I'm not sure about the status as a secondary hazard. I guess it depends on what that acutuall means in terms of how they are handled. If the term 'secondary' means that they become an issue because of a natural hazard e.g. landslide or earthquake vs. being the cause directly, then it should be fine. If it means it gets a lower level of prioritization, then I'd want to think about this more.
- Follow recommendations of planning team. Traditionally these facilities are placed near traditionally marginalized and under-served communities; the more this plan and actions can address potential hazards in various way, the better prepared we will be at combating inequities in both planning and during times of natural disasters.
- "Critical Facility" to me means hospitals, fire departments etc, so my suggestion would be to change the name to HAZARDOUS FACILITIES, and "inventoried, PRIORITIZED, and discussed in terms of their location within hazard zones (e.g. in a flood hazard area). I agree with the planning team's recommendation that potential impacts from these facilities be discussed as potential secondary hazards of our main hazards of concern.
- They should be included in the definition
- I agree with the planning team
- The explosion in China, though not petroleum related, proves this must be addressed.
- I do believe it should be discussed even though it is not a natural disaster it has the potential to be very large and cause ecological disaster problems because of the locations next to the river.
- Hazardous material mishaps are unfortunately a regular occurrence and can potentially create an inordinate amount of damage as a result. The process for dealing with this potential in the wake of a primary hazard is critical to the short and long term health and well being of Portland. I totally agree with the planning team on this item. Working with groups such as the LEPC and ECHO to develop these inventories will create a two fold benefit: Adding a critical consideration to the Portland Plan and helping the LEPC continue it's work on full compliance.
- Absolutely. I think this will be the biggest problem we face after one of these emergencies.

## SCENARIOS

### Flood

To meet community rating system requirements, we generally model several different flood events. *We will model the 100-year (or 1 percent annual chance) flood event* as that event forms the regulatory basis for floodplain requirements. In addition, we would like to choose 2 of the 4 options listed below. Please indicate any preference you have and the reasons for choosing them. *The planning team recommends that we model the 10-year and 500-year events.*

- **10-year (or 10 percent annual chance) – 10 respondents (83%)**
- 50-year (or 2 percent annual chance) (note: very similar in extent and location to the 100-year flood) – 2 respondents (17%)

- **500-year (or 0.2 percent annual chance) – 8 respondents (67%)**
- 1996 Flood high water marks (note: exceeds a 100-year event, but does not cover all floodplains in the City) – 2 respondents (17%)

#### Comments:

- Per planning team recommendation
- Seems like we'd like to know the impacts of more frequent (especially given climate change projections) and large (for the same reason)
- Preparing for the 100 year event is more critical in my opinion, and mitigation recommendations are likely to impact 500 year events
- With the, in my opinion, likely increase is spastic weather incidents, I'm hoping modeling of unexpected intense down pours is included in the modeling.
- Flooding is frequent enough that I believe it warrants a 10 year plan and the 1996 option is appealing as it addresses known flood targets.

## Earthquake

We generally model several different earthquake scenarios in order to gauge how different events would impact the City. We tend to model events that have been identified as plausible and are common scenarios for the region and/or generalized events that show shaking likely to be exceeded within a given timeline (probabilistic). Please indicate if you have a preference in the scenarios indicated below and your reasons for choosing these scenarios. We would like to select 4 scenarios. You can review shake maps for the scenario events at the usgs website: <http://earthquake.usgs.gov/earthquakes/shakemap/list.php?x=1&s=1>

*The planning team recommends the 100-year probabilistic, 500-year probabilistic, Cascadia magnitude 9.0 event and Portland Hills magnitude 6.5 event.*

- 50-year probabilistic event – 5 respondents (42%)
- **100-year probabilistic event – 7 respondents (58%)**
- **500-year probabilistic event – 6 respondents (50%)**
- **Cascadia M9.0 scenario – 10 respondents (83%)**
- Cascadia north M8.3 scenario – 2 respondents (17%)
- Portland Hills Fault M6.0 scenario – 3 respondents (25%)
- **Portland Hills Fault M6.5 scenario – 8 respondents (67%)**

#### Comments:

- Not sure we're qualified to make a determination on this. But, based on my understanding, the 500-yr is close to a 9.0. It would be helpful to know what might happen under 'smaller' events if for no other reason to be able to communicate the seriousness of them to the general public so they will get better prepared.
- I don't have enough information to determine 100 year versus 500 year probabilistic events.
- We are due for the 500 year event and if we plan for any less it could be devastating for the people and the city
- What about modeling of the East Bank fault line? If this is sufficiently similar to the Portland Hills fault then there wouldn't be a reason to model it as a separate project.
- I believe Probabilistic earthquake scenarios will be too difficult to explain to the public and are difficult to apply to large areas.



# Handout #6: Risk Assessment Data Dictionary for Spatial Analysis

**LAST UPDATED: AUGUST 6, 2015**

Data Need	Description and Source
<b>Base Map Data</b>	<ul style="list-style-type: none"> <li>• City boundary, neighborhood boundary, roads, and water features provided by BTS.</li> <li>• Orthoimagery provided by BTS as a web service.</li> </ul>
<b>General Building Stock Update</b>	<ul style="list-style-type: none"> <li>• Parcels, address points, and building footprints data provided by BTS.</li> <li>• Acquisition of tax assessor data in progress. Some tax assessor attributes are included in building footprints data.</li> </ul>
<b>Critical Facility Database Update</b>	<ul style="list-style-type: none"> <li>• Fire stations, hospitals, schools, military facilities, nuclear facilities, airports, bridges, tunnels, and transit centers data provided by BTS.</li> <li>• Dams data downloaded from State of Oregon websites – GEO and WRD.</li> <li>• PBEM is compiling a list of EOCs.</li> <li>• Follow up needed with BTS on police stations, hazardous materials sites, and wastewater facilities data.</li> <li>• Acquisition of water facilities data from PWB in progress.</li> <li>• Follow up needed with TriMet on bus and light rail facilities data.</li> <li>• BTS is checking with Oregon DEQ on natural gas and oil facilities data.</li> <li>• Need sources for communications and electric power facilities data.</li> </ul> <p><i>Note: this will be updated after the steering committee discusses and confirms the critical facility definition with any additional facilities.</i></p>
<b>Flood</b>	<ul style="list-style-type: none"> <li>• Effective DFIRM data downloaded from FEMA’s website.</li> <li>• Follow up needed with Multnomah County Drainage District on levee data.</li> <li>• BPS will provide 2014 digital elevation model (DEM) data.</li> </ul>
<b>Earthquake</b>	<ul style="list-style-type: none"> <li>• Shakemaps for Cascadia M9.0, Cascadia (north) M8.3, Portland Hills Fault M6.0, and Portland Hills M6.5 downloaded from USGS website.</li> <li>• NEHRP soils, liquefaction susceptibility, and landslide susceptibility data provided by DOGAMI.</li> </ul>

<b>Data Need</b>	<b>Description and Source</b>
	<ul style="list-style-type: none"> <li>• PWB is working on liquefaction susceptibility data and may be able to provide this data depending on an internal review and coordination with DOGAMI.</li> </ul>
<b>Landslide</b>	<ul style="list-style-type: none"> <li>• Follow up needed with DOGAMI on contents of Statewide Landslide Information Database for Oregon (SLIDO) data.</li> </ul>
<b>Wildfire</b>	<ul style="list-style-type: none"> <li>• BTS is looking into quality of the City's wildlands fire data.</li> <li>• Communities at Risk 2005 data downloaded from Oregon GEO website.</li> </ul>
<b>Volcano</b>	<ul style="list-style-type: none"> <li>• Mt Hood Volcanic Hazards data downloaded from USGS Cascades Volcano Observatory website.</li> </ul>
<b>Erosion</b>	<ul style="list-style-type: none"> <li>• Follow up needed with DOGAMI on any erosion data.</li> </ul>
<b>Invasive Plant Species</b>	<ul style="list-style-type: none"> <li>• Parks vegetation surveys data provided by BTS.</li> </ul>
<b>Dam Inundation</b>	<ul style="list-style-type: none"> <li>• PBEM will provide available dam inundation area data.</li> </ul>
<b>Demographic and Equity Data</b>	<ul style="list-style-type: none"> <li>• Follow up needed with BPS on Census data.</li> </ul>
<b>Current and Future Land Use</b>	<ul style="list-style-type: none"> <li>• BPS will provide current/future land use data.</li> </ul>
<b>Miscellaneous</b>	<ul style="list-style-type: none"> <li>• None at this time.</li> </ul>



# MEETING SUMMARY

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**Date of Meeting:** August 19, 2015

**Subject:** Steering Committee Meeting No. 2

**Project Name:** City of Portland 2016 Natural Hazard Mitigation Plan Update

**In Attendance:** **Steering Committee:** Casey Milne, Danielle Brooks, Darise Weller (for Rob Lee), Darlene Urban Garrett, Dean Alby, Dean Stearman, Jeff Geisler, Jeff Soulages, Jeremy O'Leary, Jessica London (for Justin Ross), John Steup, Jonna Papaefthimiou, Karen Tam, Kathy Roth, Kate Carone (for Maggie Skendarian), Laurent Picard (for Leo Krick), Micah Meskel (for Bob Sallinger), Michael Saling (for Mary Ellen Collentine), Nickole Cheron, Ranfis Giannettino Villatoro, Roberta Jortner (for Sallie Edmunds), Ronault LS Catalani, Shalini Prochazka, Sherrie Forsloff, Solamon Ibe

**\*Phone**

**Planning Team:** Danielle Butsick, Rob Flaner\*, Carol Baumann, and Kristen Gelino

**Non-voting Attendees and Members of the Public:** Jennifer Belknap Williamson, D.H. Strongheart, Lisa Shrestha, Surya Joshi

**Steering Committee Members (or alternate) Not Present:** Glen Collins, Jennifer Levy, Kevin Martin, Maggie Tallmadge, Molly Emmons, Simeon Mamaril, Siobhan Burke, Tony Lamb, Vincente Harrison

**Summary Prepared by:** Kristen Gelino and Carol Baumann – 8/31/2015

**Project No.:** 103S3954

**Quorum – Yes or No** Yes (25 voting members present)

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Item	Action
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**Welcome and Introductions**

- Danielle Butsick, City of Portland staff member charged with supporting the planning effort, opened the meeting and facilitated round-table group introductions for all persons present and on the phone.
  - At the start of the meeting it was determined that the committee was a few members short of quorum. Shortly thereafter several additional members arrived and the quorum of 17 was reached.
  - Ms. Butsick informed the committee that after the first steering committee meeting two requests were made to be added to the committee membership. Ms. Butsick introduced Casey Milne from the Goose Hollow Foothills League and Dean Stearman from Oregon Voluntary Organizations Active in Disaster and asked them to provide brief introductions about their organizations, background and interest in the committee. After introductions were made, the committee agreed that both new members should be added to the steering
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Item	Action
<p>committee roster (note: the committee membership now stands at 33 with a quorum of 17).</p> <ul style="list-style-type: none"><li>- Ms. Butsick reviewed the meeting agenda and no modifications were made.</li><li>- Handouts provided included: Agenda, Steering Committee Meeting #1 Summary, Meeting Facilitation (HO#1), Draft Steering Committee Ground Rules (HO#2 – note: mislabeled as handout #3), Plan Review Comments (HO#3), Portland Neighborhood Coalitions (HO#4), Hazards of Concern (HO#5), Risk Assessment Update (HO#6).</li><li>- Ms. Butsick asked if any member of the public wished to address the committee. D.H. Strongheart made the following comments:<ul style="list-style-type: none"><li>- The committee should consider including space weather as a hazard of concern as it has the potential to disrupt the electrical grid and other technologies on which human societies rely.</li><li>- The committee should utilize best available science in the analysis of the hazards of concern.</li></ul></li><li>- Ms. Butsick asked the committee if there were any questions or corrections on the meeting summary that had been distributed before the meeting. No questions were asked and the meeting summary was approved by consensus.</li></ul>	

**Meeting Tools and Steering Committee Ground Rules**

Ms. Butsick reminded the committee that at the previous steering committee meeting a request was made by the planning team for volunteers to serve as chairperson and vice chairperson. She indicated that three volunteers had come forward and agreed to serve as rotating chairs and vice chairpersons: Jessica London, Solamon Ibe, and Jeremy O’Leary. Ms. Butsick asked the committee if there were any objections to or questions about moving forward with this arrangement. No objections were voiced and the co-chairpersons were confirmed. Ms. Butsick indicated that Ms. London was the assigned chairperson for the meeting and Mr. Ibe was serving as the vice-chairperson.

Ms. Butsick then introduced the Meeting Facilitation handout (HO#1). She indicated that the protocols outlined on this handout would be included as an addendum to the steering committee ground rules and were developed based on the feedback received at the previous steering committee meeting. Ms. Butsick briefly reviewed the chair and vice chairperson responsibilities, seating, comment/question queue, voting cards, handouts and committee membership. She noted that the planning team ran into some technical issues in producing the voting cards, but they would be available at the next meeting.

The planning team will produce the colored voting cards for the next steering committee meeting.



Item	Action
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Kristen Gelino, lead project planner from the contract support team, introduced the Draft Steering Committee Ground Rules Handout (HO#2 labeled as HO#3). She indicated that revisions had been made based on the feedback at the previous steering committee meeting and that those changes had been distributed to the group in track changes. Ms. Gelino asked if there were questions about the changes that had been made. A recommendation was made that the definition of stakeholder be clarified to indicate whether or not stakeholders are voting members of the committee. The planning team indicated that they would clarify voting membership in the document.

The planning team will clarify what constitutes as voting membership in the ground rules document.

Ms. Gelino then reviewed comments to the charge statement that had been suggested via the plan review survey distributed to the steering committee. A lengthy discussion ensued regarding Multnomah County Office of Emergency Management's (OEM) role on the steering committee. It was clarified that even if OEM does not serve on the steering committee, they will still receive updates on the planning process via a stakeholder email list. This spurred additional discussion regarding what was meant by a stakeholder in the planning process. After discussion the committee agreed to the following:

- The charge statement should be left as presented with the commas changed to semicolons.
- The planning team will extend an invitation to Multnomah County OEM when agenda items are particularly relevant.
- The use of the term stakeholder will be clarified throughout the documents provided by indicating that any community member can be added to the stakeholder email list.

The planning team will modify the ground rules document to reflect the changes requested by the steering committee.

The ground rules were approved by the committee with the above listed changes.

### **Mitigation in Emergency Management**

Ms. Butsick provided some clarifying comments on the purpose and meaning of mitigation. Mitigation is defined as any sustained action taken to permanently eliminate or reduce the long-term risks to human life and property from natural hazards. She indicated that this should be the framework through which the steering committee discusses and makes decisions for this plan. She clarified that the main focus of the plan is mitigation, which is related but distinct, from preparedness and response. Ms. Butsick clarified that elements from other phases of emergency management can be brought into the plan as mitigation actions.

### **OEHR Equity Training Recap**

Ms. London led a brief recap discussion on the Equity 101 training that the steering committee had been invited to the previous week. Approximately half of the steering committee membership attended the training. Ms. London



Item	Action
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provided a brief overview of what the training entailed: discussion on the differences between equity and equality, implicit and systemic bias, definitions of equity, and group discussions on mitigation-related scenarios and the application of an equity lens.

The steering committee engaged in brief discussion of the equity training that focused on mechanisms for communication and outreach, restorative justice, distrust of government and being mindful of how different communities within the larger Portland community prefer to be engaged.

**Public Involvement Strategy**

Ms. Gelino introduced the public involvement strategy discussion. She indicated that public involvement will occur through all phases of this planning process and into implementation. She indicated that the steering committee is one avenue for public involvement and outreach, but is not the only avenue. She stated that the City’s goals for the public involvement strategy are to establish authentic mechanisms for influencing plan content, to leverage potential synergies with existing community organizations (whether formal or informal), and to target outreach in areas that are at highest risk to the hazards of concern. The public involvement strategy will be developed through the steering committee and will be divided into two phases. The first phase will focus on gauging the public’s perception of risk and ground-truthing the results of the risk assessment, while the second phase will focus on presenting the draft plan for public review and comment. Ms. Butsick indicated that the City wants to ensure that the outreach strategy is an avenue for mutual information exchange.

Ms. Gelino indicated that the discussion at this meeting should be viewed as a precursor to developing the public involvement strategy. It is meant to be a brainstorming session regarding existing capabilities and mechanisms that have worked well in prior efforts for developing meaningful public outreach. The committee engaged in a discussion and presented the following ideas for consideration:

- Steering committee members should have some role in presenting plan information to the community. Consider train the trainer sessions.
- Consider hosting listening sessions in various areas.
- Be inclusive of communities and organizations that cross city boundaries.
- Utilize social media and newsletters.
- Engage through religious organizations.



Item	Action
<ul style="list-style-type: none"><li>- Look for ways to get youth involved.</li><li>- Find ways to address the natural tendency to focus on preparedness when engaging on hazards and mitigation.</li><li>- Utilize the requirement for high school seniors to complete a senior project.</li><li>- Search for ways to engage intercultural organizations.</li><li>- Be sure to find ways to engage renters and residents that move frequently.</li><li>- Partner with a class at Portland State University.</li><li>- Engage through work centers or legal aid staff.</li><li>- Utilize a popular education model.</li><li>- Develop a structured way to capture information from communities.</li><li>- Make public interactions fun.</li><li>- Develop a deliberate, thoughtful public involvement plan. This may mean that we need to be selective in what groups we target engagement with.</li><li>- Speak to community elders before meetings/events for how the community can be engaged.</li><li>- Broadcast information using nextdoor.com.</li><li>- Utilize different messages for different communications. Identify the messages and then decide how to reach out.</li></ul>	

After discussion it was determined that the planning team will develop a draft public outreach and engagement strategy for the committee's comment.

The planning team will develop a draft public outreach and engagement strategy for the committee's comment.

**Plan Review**

Ms. Gelino reminded the steering committee that this portion of the plan review process for both the Oregon State Natural Hazard Mitigation Plan (NHMP) and the 2010 Portland NHMP is focused on overarching comments regarding document format and organization. She indicated that steering committee members should review the Plan Review Comments handout (HO#3) that was developed from the responses to the plan review survey. Ms. Gelino indicated that the planning team will develop a draft table of contents for the committee to review at the next steering committee meeting. It was noted that in reviewing these documents, steering committee members should be advised that the State Plan has a specific section addressing the region that encompasses Portland (Region 2). In addition to the comments received via the survey, a few additional comments were made by steering committee members:



Item	Action
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- The Portland Plan was well done and may be a good template for document development.
- An acronyms list is needed.
- The final plan format should make it easy to extract information from the plan for use in other documents.

It was also clarified that the audience for the Plan is City bureaus and FEMA, but the planning team is hoping to develop a document that is also a useful resources for community members, especially the risk assessment portion. Jonna Papaefthimiou informed the committee that as part of the plan update process, a summary document will be developed that will be geared toward the general public and perhaps distributed as a mailing.

Ms. Gelino informed the committee that at the next meeting the committee would be discussing ways to divide the City so that the results of the risk assessment and subsequent risk ranking could be presented with a finer grain of detail than a city-wide scale. Ms. Gelino informed the committee that the starting point for this conversation would be the Portland Neighborhood Coalition boundaries as shown in handout #4. Concern over using these boundaries as the basis for division were expressed and Ms. Gelino indicated that there may be strong opinions about how best to present this information that can be discussed at the next meeting.

**Risk Assessment Update**

Ms. Gelino reminded the committee that the hazards of concern identified and profiled in this planning process must, at a minimum, be consistent with the Oregon State NHMP. She indicated that the 2010 Portland NHMP had some hazards of concern that the State had not identified or had not indicated as impacting the region in which the City of Portland is located. The steering committee will determine if the 2016 NHMP should address these hazards.

Ms. Gelino directed the steering committee members to the hazards of concern handout (HO#5). This handout was developed based on the results from the plan review survey distributed to the steering committee. Hazards of concern that are known to impact the city and that do not require further discussion include: drought, earthquake, flood, landslide, volcanic activity, and wildfire/wildland urban interface. Steering committee members also asked about industrial hazards, terrorism, climate change, and hot weather. Ms. Gelino clarified that this plan is focused on natural hazards of concern.



Item	Action
<p>Ms. Gelino introduced the hazards that require further discussion: erosion, invasive plant species, severe weather, windstorm, winter storm, dam and reservoir failure, climate change and hazardous materials. The steering committee discussed erosion and whether or not it should be included as a standalone hazard in the plan. Ms. Gelino indicated that it was included in the 2010 NHMP, but was not identified as a hazard of concern for the Portland region in the State plan. After discussion, it was determined that the steering committee did not have enough information to make a decision on this hazard. The planning team indicated that the plan review survey would be sent back out to the group so that more members had an opportunity to provide comments before the next steering committee meeting in order to streamline the discussion. Clarification was provided that the criteria for adding a hazard of concern should be hazards that impact people and property that can be mitigated and that additional information on each hazard can be found in the 2010 Portland NHMP and the 2015 Oregon NHMP. Ms. Gelino also directed the steering committee to the Risk Assessment Update handout (HO#6), which provides all of the currently available data sources for the 2016 Portland NHMP.</p>	<p>The planning team will redistribute the link to the plan review survey.</p> <p>Steering committee members should review the plan documents and provide comments via the plan review survey.</p>

**Next Steps and Action Items Review**

The action items identified during the meeting were reviewed. The meeting was adjourned at 6:30 PM. No steering committee meeting will be held in the month of September. However, a natural hazard mitigation focused equity training will be held:

**September 28, 2015 from 4:00 to 7:00 pm**  
**Portland Public Schools Blanchard Education Service Center**  
**Boardroom**  
**501 N Dixon St.**  
**Portland, OR 97227**

The next steering committee meeting is:

**October 21, 2015 at 4:00 PM**  
**Portland Public Schools Blanchard Education Service Center**  
**Wyeast Conference Room, Level L1**  
**501 N Dixon St.**  
**Portland, OR 97227**  
**Call in number: 1-866-692-5721 code: 564 7193**