

## MEETING SUMMARY

2302 W Dolarway Road, Suite 1, Ellensburg, WA 98926 | P 800.615.9900

Project: City of Bellevue 2025 Hazard Mitigation Plan

Date: October 2, 2024

Location: Room 1E-108

RE: HMP Steering Committee Meeting #4



### 1. Attendance

Name	Role	Department/Agency	Present
<b>Nathan McCommon</b>	<b>Primary</b>	<b>City Manager's Office</b>	•
<b>Gillian Hagstrom</b>	<b>Primary</b>	<b>Communications</b>	
<i>Michaelene Fowler</i>	<i>Alternate</i>	<i>Communications</i>	
<b>Mike McCormick-Huntelman</b>	<b>Primary</b>	<b>Community Development</b>	
<i>Patrick Babbitt</i>	<i>Alternate</i>	<i>Community Development</i>	
<i>Jennifer Ewing</i>	<i>Alternate</i>	<i>Community Development</i>	V
<i>Bryce Williams-Tuggle</i>	<i>Alternate</i>	<i>Community Development</i>	
<i>Justus Stewart</i>	<i>Alternate</i>	<i>Community Development</i>	
<b>Gregg Schrader</b>	<b>Alternate</b>	<b>Development Services</b>	
<i>Ryan Mumma</i>	<i>Alternate</i>	<i>Development Services</i>	
<i>Nate Tilson</i>	<i>Alternate</i>	<i>Development Services</i>	
<i>Jake Hesselgesser</i>	<i>Alternate</i>	<i>Development Services</i>	
<i>Lauren Eck</i>	<i>Alternate</i>	<i>Development Services</i>	
<b>Marcus Johnson</b>	<b>Primary</b>	<b>Diversity Advantage Team</b>	V
<b>Demitri Bergeron</b>	<b>Primary</b>	<b>FAM</b>	•
<b>Pete Bourgeault</b>	<b>Primary</b>	<b>FAM</b>	•
<i>Megan Ryan</i>	<i>Alternate</i>	<i>FAM</i>	
<b>Ryan Armstrong</b>	<b>Primary</b>	<b>Fire</b>	
<i>Heather Wong</i>	<i>Alternate</i>	<i>Fire</i>	•
<b>Matthew Dubose</b>	<b>Primary</b>	<b>IT</b>	•
<b>Carl Lunak</b>	<b>Primary</b>	<b>OEM</b>	
<i>Ellen Montanana</i>	<i>Alternate</i>	<i>OEM</i>	•
<b>Rick Bailey</b>	<b>Primary</b>	<b>Parks</b>	•
<i>Tom Purcell</i>	<i>Alternate</i>	<i>Parks</i>	•
<i>Maryann Olson</i>	<i>Alternate</i>	<i>Parks</i>	
<b>Sgt. Tony Romero</b>	<b>Primary</b>	<b>Police</b>	
<i>Drew Anderson</i>	<i>Alternate</i>	<i>Police</i>	
<b>Kristi Oosterveen</b>	<b>Project lead</b>	<b>Transportation</b>	•

<b>Hillary Stibbard</b>	<b>Primary</b>	<b>Transportation</b>	
<i>Brian Breeden</i>	<i>Alternate</i>	<i>Transportation</i>	•
<b>Linda De Boldt</b>	<b>Primary</b>	<b>Utilities</b>	•
<i>Don McQuilliams</i>	<i>Alternate</i>	<i>Utilities</i>	•
<b>Agencies</b>			
<b>Andrew Matthews</b>	<b>Primary</b>	<b>KCOEM</b>	
<b>Kali Clark</b>	<b>Primary</b>	<b>Sound Transit</b>	
<i>Tim Braniff</i>	<i>Alternate</i>	<i>Sound Transit</i>	
<b>Melina Thung</b>	<b>Primary</b>	<b>Cascade Water Alliance</b>	V
<b>Ricardo Perezchica</b>	<b>Primary</b>	<b>Cultural Communities of Color</b>	•
<b>Ginger Bonnell</b>	<b>Primary</b>	<b>Bellevue School District</b>	•
<i>Jason Moore</i>	<i>Alternate</i>	<i>Bellevue School District</i>	
<b>Yvonne Adagala</b>	<b>Primary</b>	<b>Diversity Advisory Network</b>	
<b>Guests</b>			
Leslie Geller	Community Member		V
<b>Consultant Team</b>			
Christina Wollman	Perteet		•
Kirk Holmes	Perteet		
Samantha Criner	Perteet		V
Rob Flaner	Black and Veatch		V
Megan Brotherton	Black and Veatch		V

V=Virtual Attendance

2. Public Comment
  - There was one member of the public attending the meeting virtually. She stated that she was listening in on the meeting to learn more about the plan and did not have additional comments.
  
3. Approve Meeting Summary from September 4, 2024
  - Meeting summary was approved.
  
4. SWOO Follow-up
  - The committee finished the discussion on the city's strengths, weaknesses, obstacles and opportunities related to dam failure and wildfire.
  - SWOO results are attached.
  
5. Risk Assessment Review
  - Rob presented initial risk assessment results and explained the process of using Hazus. The results were only for residential property (1-3 units). The non-residential results will be presented at the next meeting.

**CITY OF BELLEVUE HAZARD MITIGATION PLAN**

Steering Committee Meeting – Sign-In Sheet

October 2, 2024

Name	Department/Agency	Signature
<b>City of Bellevue</b>		
<b>Nathan McCommon</b>	<b>City Manager's Office</b>	
<b>Gillian Hagstrom</b>	<b>Communications</b>	excused
Michaelene Fowler	Communications	
<b>Mike McCormick-Huntelman</b>	<b>Community Development</b>	
Patrick Babbitt	Community Development	
Jennifer Ewing	Community Development	remote
Bryce Williams-Tuggle	Community Development	
Justus Stewart	Community Development	
<b>Gregg Schrader</b>	<b>Development Services</b>	
Ryan Mumma	Development Services	
Nate Tilson	Development Services	
Jake Hesselgesser	Development Services	
Lauren Eck	Development Services	
<b>Marcus Johnson</b>	<b>Diversity Advantage Team</b>	remote
<b>Demitri Bergeron</b>	<b>FAM</b>	
<b>Pete Bourgeault</b>	<b>FAM</b>	
Megan Ryan	FAM	
<b>Ryan Armstrong</b>	<b>Fire</b>	
Heather Wong	Fire	
<b>Matthew Dubose</b>	<b>IT</b>	
<b>Carl Lunak</b>	<b>OEM</b>	
Ellen Montanana	OEM	
<b>Rick Bailey</b>	<b>Parks</b>	
Tom Purcell	Parks	
<b>Sgt. Tony Romero</b>	<b>Police</b>	



**CITY OF BELLEVUE HAZARD MITIGATION PLAN**

Steering Committee Meeting – Sign-In Sheet

October 2, 2024

Drew Anderson	Police	
<b>Kristi Oosterveen</b>	<b>Transportation</b>	
<b>Hillary Stibbard</b>	<b>Transportation</b>	excused
Brian Breeden	Transportation	
<b>Linda De Boldt</b>	<b>Utilities</b>	
Don McQuilliams	Utilities	
<b>Agencies</b>		
<b>Yvonne Adagala</b>	<b>Bellevue Diversity Advisory Network</b>	
<b>Ginger Bonnell</b>	<b>Bellevue School District</b>	
Jason Moore	Bellevue School District	
<b>Melina Thung</b>	<b>Cascade Water Alliance</b>	remote
<b>Ricardo Perezchica</b>	<b>Cultural Communities of Color</b>	
<b>Andrew Matthews</b>	<b>King County OEM</b>	
<b>Kali Clark</b>	<b>Sound Transit</b>	
Tim Braniff	Sound Transit	
<i>Leslie Geller</i>	<i>Community Member</i>	remote



# All Hazards

## Strengths:

- Disaster Debris Management Plan
- Large communications team compared to other organizations, includes PIOs, graphics designers, BTW, GIS staff for maps
- Transportation EMPREP and TCC
- Utilities red book
- Fire and police response plans
- OEM emergency plans
- Many facilities have generators, procedures for fueling generators/maintenance, fuel agreements, mobile generators

## Weaknesses:

- Existing development in hazard areas
- DDMP lacking implementation
- Vulnerability to power outages (street lights, etc), some smaller facilities and infrastructure don't have power generator
- No evacuation plans
- Emergency contracting/spending authorities

## Opportunities:

- Implement the DDMP and get debris hauler and monitor contracts in place
- Create an inventory of existing city plans
- Update existing data and create new datasets from existing data
- Identify where generators are needed, purchase equipment

## Obstacles:

- Funding to implement mitigation
- Staffing shortages / capacity
- Data limitations
- New population
- Risk acceptance is lowering

# WILDFIRE

## Strengths:

- City has new equipment for brush fires
- Well trained staff
- Native vegetation is naturally fire-resistant and used in landscaping
- Good coordination between fire and parks depts – have shared equipment
- Transportation mows roadsides to reduce vegetation – 2x year
- Some community members are informed and proactive about wildfire mitigation
- Wildfire risk/probability is low
- Have mutual aid agreements in place

## Opportunities:

- More public outreach and integrated messaging
- WUI code adoption/enforcement
- Cross training parks employees to help with fire response
- Designate clean air shelters

## Weaknesses:

- Some community members are not informed about wildfire risk
- City is also responsible for points communities and Newcastle fire and medical response
- Bridle trails, Lakemont areas are highest risk
- No designated clean air shelters – just locations the public can gather

## Obstacles:

- Brush/vegetation fires far out number other fires
- May be some policy conflicts and challenges with messaging, e.g. Fuels reduction vs. Protecting tree canopy

# DAM FAILURE

## Strengths:

- Utilities owned dam inspected once a year
- Utilities has a maintenance budget
- Dam basin doubles as a park facility when not used for storm water
- Dam inundation area map available
- City has included dam failure in exercise scenarios

## Weaknesses:

- Water supply provided by dams owned by others and located outside of Bellevue; Tolt and Cedar dam failure would affect water supply quantity
- Downstream community members may not be aware of risk

## Opportunities:

- Public outreach and awareness for community members in dam inundation area

## Obstacles:

# LANDSLIDE

## Strengths:

- Earthquake response plans also work for landslide for inspections
- Transportation does windshield checks of certain sites after rainfall
- Geotech on call for transportation
- Steep slopes are critical areas and require geotechnical review
- Have not had a large landslide

## Weaknesses:

- Existing development in landslide hazard areas
- Geography

## Opportunities:

- New LIDAR

## Obstacles:

- Data limitations

# SEVERE WEATHER

## Strengths:

- Coordination and partnerships with NOAA
- Contracted weather forecasts
- Well trained field staff
- Existing response plans, messaging translated, online resources
- OEM emergency plans
- Strong building codes for wind and snow loads
- New building stock

## Weaknesses:

- Lack of air conditioning in homes
- No city run heating or cooling shelters
- No bunkers for tornados, etc

## Opportunities:

- Increasing relationships with other municipalities to increase staff capacity
- City program for heating and cooling centers
- Education to increase community capabilities
- Develop an evacuation plan

## Obstacles:

- Limited predictability of weather
- Language barriers
- Shut down of power grid due to weather



# EARTHQUAKE

## Strengths:

- New building stock built to new codes, no unreinforced masonry in city
- Strong building codes, regular code updates
- New HAZUS model for earthquake
- Plans/training for post-disaster assessment of buildings
- ATC-20 trained staff in several departments (FAM, Building, Parks, others)
- Bridge inspectors on staff for city bridges
- Have resources for increasing staff capacity for building inspections
- Olympic pipeline response plan
- Hybrid work schedules – staff do not need to work at City Hall which is a benefit when transportation routes are closed.
- Emergency water supply master plan
- Schools are new buildings, staff training is robust, have regular drills

## Opportunities:

- Develop earthquake procedures for all city staff
- Update Olympic pipeline plan
- Create new communication options
- Conduct seismic vulnerability assessment for wastewater system
- Construct new BSC in an area that is less vulnerable
- Conduct new seismic vulnerability assessments for all city buildings
- Increase school-city collaboration; King County collaboration (library)
- More advance drills for school
- CWA – working on diversifying water supply

## Weaknesses:

- Drills not engaging remote workers; hybrid workers missing drills when not in office
- I-405 bridges may fail
- Micro islands may be created by transportation infrastructure failures
- No evacuation plans
- Limited communications capabilities after an earthquake
- Many people don't know what to do in an earthquake, especially new community members
- No seismic vulnerability assessment for wastewater
- 50-year implementation for water master plan projects that will mitigate risk (long time)
- Vulnerability assessments/retrofits for city buildings and designated shelters not current
- Vulnerability of city buildings
- School admin buildings are older, high turnover of staff
- Food and water supplies at emergency shelters
- BSC located in vulnerable area; may not be functional after an earthquake

## Obstacles:

- Staff capacity – hybrid schedules – staff do not live in Bellevue
- Remembering to do flood SD determinations
- High daytime population that may be stranded in Bellevue, many use transit to travel
- Unpredictable
- Environmental permits during recovery, ESA species, cultural resources

# FLOOD

## Strengths:

- CRS program
- No development allowed within floodplains, few existing buildings in floodplains
- Have minimal floodplains and floodplain development
- Have hills and high areas that are protected
- Currently improving storm system in Factoria to reduce flooding
- Beaver management plan
- Have a stormwater utility that looks at flooding issues and ways to resolve them
- Many building owners have flood insurance

## Opportunities:

- Improve storm system city-wide to reduce flooding

## Weaknesses:

- Existing development within floodplains
- I/I to sewer system
- High water tables
- Transportation system and utility systems affected by flooding

## Obstacles:

- Finding funding to mitigate issues

# DROUGHT

## Strengths:

- Installing drought resistant landscaping for some transportation projects
- Parks using drought tolerant designs and principals, dedicating funding for improving irrigation systems
- Water contingency plans for utilities, parks
- Surrounded by water

## Weaknesses:

- Single water supplier (Cascade)
- Adjacent cities all supplied by same source

## Opportunities:

- Cascade is working on diversifying water supply
- Identify how to use surrounding water for emergencies

## Obstacles:

- Emergency wells cannot be used for drought

# VOLCANO

## Strengths:

- Not in a lahar zone
- Have a surplus of PPE
- Volcanos are well studied and monitored
- Fleet plan for ash fall (approx. 20 years old)

## Weaknesses:

- Air filtration into buildings not a consideration, new codes require fresh air intakes
- Heat pump heat exchangers and air conditions cannot operate during ash fall; ash will damage components
- New population is not familiar with impacts from the Mt. St. Helens eruption in 1980.

## Opportunities:

- Update fleet plan for ash fall

## Obstacles:

- Difficult to predict where ash fall will occur prior to eruption