

# MAP Evaluation Results

---

Status Reports of Actions for Mitigation Action Plan (MAP) 2023

Rachit Nerwal,  
Interim Planning Manager

# Community Rating System (CRS)

- Communities are rated Class 1-10 (with 1 being the highest) based on an accounting of activities that reduce FEMA's risk. Our current Class 5 rating provides a 25% discount on flood insurance for property owners.
- Portland's rating is higher than 90% of the 570 communities enrolled in FEMA's CRS Program. Portland's Class 5 rating saves the community about \$300K in insurance premiums every year. About 60% of those receiving the discount are located in lower income neighborhoods.
- As part of the CRS implementation, the City receives credit for the Mitigation Action Plan. To continue receiving this credit, the City reports annually to FEMA on the implementation of the Plan.

## Mitigation projects fall into the following categories:

- Planning and regulations
- Structural and infrastructure projects to make the built environment more resilient
- Natural systems protections that minimize harm to people and the built environment and restore the functions of natural systems
- Education and awareness programs that inform the public about natural hazards and ways to mitigate their impacts.

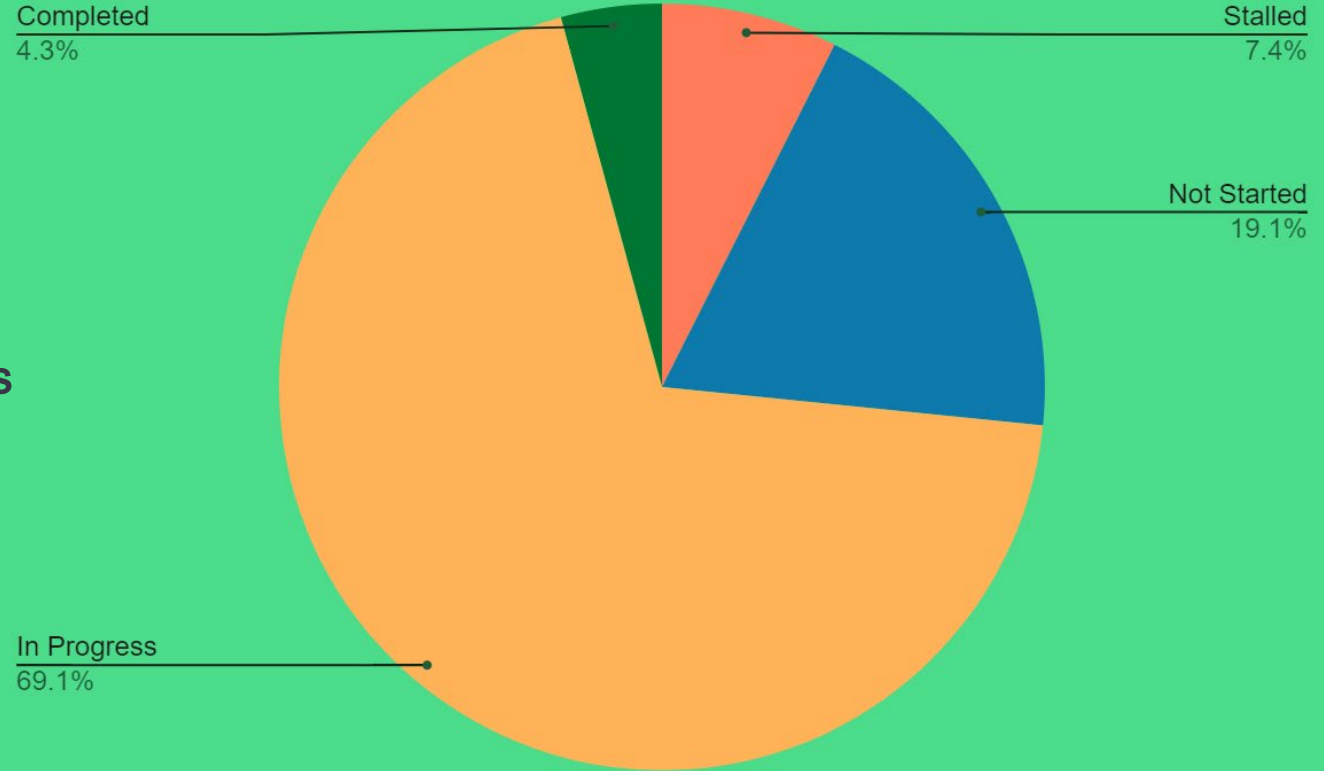
# Breakdown of MAP Actions

4 actions completed

66 actions in progress

18 actions not started

6 actions stalled



# In Progress Actions

*What has been accomplished?*

- **BES-5: Planted 700 -800 trees** and receive **4 years of maintenance** ; also installed **53,560 native plants** throughout city owned natural areas
- **BES-7: Partnered with multiple watershed councils** to ensure community participation, education, and stewardship
- **BES-15: STEP program—significant excavation and ground improvement work** to add secondary treatment clarifier capacity; work will conclude or be close to completion in FY 24/25
- **BES-19: Lower Columbia River Basin Peak Stage Frequency Report completed** in 2022 and released in 2023 through a collaboration with US Army Corps of Engineers

# In Progress Actions

## *What has been accomplished?*

- **BPS-3:** Developing neighborhood scale energy resilience through **solar+battery systems; shifted from policy and planning** to more investment as the Portland Clean Energy Fund has taken shape, which has funded 3 community based solar plus storage projects
- **BPS-4:** BPS replaced the 2015 Climate Action Plan with the **2022 -2025 Climate Emergency Workplan** in August 2022
- **BPS-15:** Developing an **urban heat island strategy for east portland** ; collaborating with 8 city bureaus to implement the city wide flood management update work plan (Floodplain resilience plan)
- **BPS-7: Fix it fairs** are resource events for personal and community resiliency and sustainability, 1,300 people have attended fix-it fairs in 2023; long range planning often raises the awareness of climate resiliency

# In Progress Actions

## *What has been accomplished?*

- **BDS-1:** BDS worked on the regional aspects of updating their **building damage assessment plan** but since BDAP+ did not get funding, this limits their outreach capabilities, developed a strong collection of educational materials translated into 10+ languages
- **PBOT-1:** Reassigned PBOT Senior Planner to focus on operations resiliency at Maintenance Operations
- **PBOT-2:** Received a **federal bridge infrastructure program grant** to replace the N Burgard Street Viaduct, ranks highest in seismic priority index; completing bridge replacement feasibility study for NE 33rd Ave Bridge
- **PPR-1:** Improved awareness of natural hazards and risks among staff

# In Progress Actions

*What has been accomplished?*

- **PBEM-7: Signed a contract with AIM -4-Access** to support disability specific emergency preparedness materials and work in partnership with the disability community
- **PBEM-8:** Provide response packs to NET volunteers who cannot afford it, cultivated a full spanish speaking NET team in partnership, continue to prioritize neighborhoods that have been underserved by government
- **PWB:** Mitigation projects against extreme weather, wildfire, and earthquakes involving the Bull Run Dam are **ongoing and efforts are underway** . Most of these projects are in the initial stages of progress and planning.



# In Progress Actions

## *Obstacles or Barriers to Progress*

- Need for more training and improved awareness of natural hazards and their risks.
- Inadequate funding
- Bureau capacity, lack of personnel
- Delays in the planning and design process
- Coordination with other bureaus, agencies, and community partners
- Lack of accurate/trusted information needed to pursue expensive projects
- COVID-19 and weather emergencies
- Safety concerns for field personnel
- Translation and Interpretation for non-english speaking communities

# In Progress Actions

## *Factors to Success*

- Collaborative working relationships with partnering agencies
- Staff with excellent and relevant technical ability were leading the way
- Success of ongoing items is dependent on long-term relationship building, collaboration, and trust
- PCEF has helped provide the resources for implementation for solar and storage through its community driven prioritization

# Completed Actions

|        |  |
|--------|--|
| PWB-11 | <b>Mitigate Impacts from Power Loss - Continuity of Electric Service:</b> Establish cooperative agreements with local power suppliers to prioritize and provide emergency repairs and continuity of service to the Bureau facilities and Columbia South Shore Well Field during power outages. |
| BES-16 | <b>Design and build stormwater improvements along SW Capitol Hwy</b> and local side streets to address drainage and conveyance deficiencies and recurring nuisance flooding.   |
| PWB-31 | <b>Mitigate Against Dam Failure in the Bull Run</b> : Replace Bull Run Dam 2 Spillway Subdrain System Pipe to reduce likelihood of dam failure   |
| BDS-2  | <b>2008 Erosion and Sediment Control Manual Update:</b> Update the manual so that it reflects recommendations from an EPA audit around "simple sites" and sites under construction.  |

# Stalled Actions

- Staff Capacity
- Lack of Funding
- Delays in planning and political processes

|        |  |
|--------|--|
| BPS-2  | Assess and Restart <b>Garbage and Recycling Collection Services</b> .<br><b>Develop continuity of operations plans for services</b> to residences and businesses postdisaster.<br><b>Implement requirements</b> for garbage and recycling service providers to prepare and maintain emergency operations and continuity of operations plans. |
| PWB-22 | <b>All Hazards Mitigation - Staging Locations for Emergency Repairs :</b><br>Develop and establish a Westside emergency operations, staging facility for field crews, and staging plan for stockpiling water system repair materials in strategic locations.   |
| BPS-13 | <b>Seismic upgrades to Central City Buildings:</b> develop seismic requirements for Central City development that uses public funds and develop a plan for seismic upgrades in Old Town/Chinatown that reflect equity considerations and allow for incremental improvements  |
| PPR-5  | <b>Seismically retrofit or upgrade Parks &amp; Recreation facilities</b> , prioritizing unreinforced masonry (URM) buildings.  |
| PWB-3  | <b>Seismic Mitigation - Replace Existing Vulnerable Pipes by Burying New Water Pipes Under Rivers :</b><br>- Plan, design and construct new underground river crossings to reduce earthquake damage to pipes:<br>> Willamette River- 2 crossings<br>> Sandy River (Conduit 3)  |
| BDS-3  | <b>Amend Chapter 24.85 (Seismic Regulations)</b> to adopt new seismic upgrade triggers and limit the requirements for seismic upgrades for conversions of single dwelling homes to multi-dwelling homes.   |

# Not Started Actions/Need Significant Support

- Seismic mitigation: Infrastructure improvements, fuel plan, risk assessments and resiliency planning, elevating funding for retrofitting
- Coordination and partnerships with communities, bureaus, and regional partners
- Updating plans, data, and policies
- Actions where long term funding might be required for mitigation:  
Ex. Mitigate wildfire danger on PP&R-managed property

*Reasons: Lack of funding, out of data/inaccurate data, need for more research and deeper analysis, staff capacity, changes or delays to the planning process, coordination with multiple actors*

Thank you.  
Any questions?