Oregon Resilience Plan – Business and Workforce Community excerpts

- **Improve seismic performance of infrastructure for rapid community recovery**

  Finding: Business and community cannot recover within two to four weeks due to inadequate seismic performance of infrastructure.

  Action Needed: Upgrade existing infrastructure and increase seismic design standards for new infrastructure over the next 50 years to enable business and community recovery within two to four weeks.

- **Assess seismic performance of critical and essential public buildings**

  Finding: The seismic vulnerability of critical and essential public buildings throughout Oregon has not been fully assessed.

  Action Needed: The State of Oregon shall direct local jurisdictions to determine the seismic resilience of all critical and essential public buildings.

- **Develop seismic rating system for buildings to promote resilience**

  Finding: Oregon does not have a seismic rating system for the expected performance of buildings subject to earthquake ground motions.

  Action Needed: State should develop a seismic rating system modeled after Structural Engineers Association of Northern California rating system. The objective of this system is (1) to make buildings more resilient and usable after a Cascadia event and (2) to help communicate seismic risk to the general public.

- **Incentivize seismic upgrade of existing buildings**

  Finding: The majority of buildings in Oregon were built before the code change of 1994 and thus do not meet current seismic building code standards. Seismic upgrading of these buildings is expensive and is typically only done when there is a change-in-use of the building, or when the buildings are substantially modified. If only a small portion of these buildings will be seismically upgraded over the next fifty years, then the potential loss of the business and workforce housing in these buildings will seriously impact the recovery of the economy following the Cascadia earthquake.

  Action Needed: The State should consider incentives and other options to encourage building owners to seismically upgrade their buildings.

- **Reduce community vulnerability from unreinforced masonry (URM) buildings/non-ductile concrete buildings**

  Finding: The Historic Preservation League of Oregon (HPLO) estimates there are between 5,000 and 10,000 unreinforced masonry (URM) buildings in Oregon.

  Action Needed: State shall adopt the findings and recommendations in the 2012 HPLO Special Report, Resilient Masonry Buildings, and extend the recommendations to all non-ductile concrete buildings.