

To: Chair Tran, Co-Chairs Grayner and Lewis, and members of the House Committee on Emergency Management, General Government and Veterans

**I am writing in support for HB 3450, HB 2152, HB 2949, and HB 2151**

These 4 bills have good bones but would benefit from some muscle.

For example:

Engaging the services of the **National Policy Consensus Center at Portland State University** is an excellent proposal. Identifying the impacted parties would strengthen the consensus process, and reassure the public about representation.

This bill would benefit from guidelines for specific goals to assist the work of the ODOE for a transition plan:

- **Move all the fuels and chemical tanks off the CEI Hub.** Even one liquid fuel company in the Hub places undue burden on the surrounding communities because of their persistent release of toxic fumes, and their explosive potential in the event of an earthquake.
- **Criteria for the timelines for “short, medium and longterm”** plans would give guidance to ODOE, providing a blueprint for removal of liquid and gaseous fuels and chemicals from the HUB.

**Additional goals may include:**

- Criterial for moving the fuels to distributed locations throughout the state based on the groundwork from the ODOE/ CNA study which located sites throughout the state for storage of emergency fuel resources.
- Consideration of the transition away from fossil fuels to electrification, and support for adequacy of the grid to meet these needs,
- Determining financial responsibility for the transition of the industries currently in the HUB to a distributed storage,
- Requiring risk bonds for the industries that remain in the Hub, holding tanks for fuels and chemicals before and during transition to safer sites, with incentives for early transition to a distributed format.
- Research into the connectivity from the distributed sites under consideration to fuel sources (trucking, pipelines, trains, barge), and

- Defining “safety.”

### **Benefits of relocation:**

Avoiding the dangers and costs for damage to the Hub and the communities impacted. For example:

- Explosions and fires will magnify the losses experienced by a catastrophic event. Forest Park and the communities located around the HUB will suffer an exponential impact to the damage caused by the quake itself.
- Portlanders downwind of Hub will not have a safe evacuation route because of the toxic fumes that will be released.
- Environmental degradation in the river ecosystem will take decades to recover.

### **Converting to quake-resistant tanks:**

- Strengthening the tanks will not protect the surrounding human and animal communities from their damage when the tanks move into the river during an CSZ earthquake. As the subsequent tsunami pushes ocean waters upriver into the Columbia River and the Willamette River and out to the ocean again, floating or sunken tanks will add to the devastation, crashing into bridge foundations, docks and rescue boats and barges.
- Damaged and sunken tanks will hinder movement on the river, requiring an unknown cost for their removal.

As we plan for a CSZ earthquake, we must also consider the crustal faults that parallel the Willamette next to the Hub. The faults are “close” to the surface and the impacts of even a small intensity quake would be enormous.

The CEI Hub could not be located in a more perilous site.

The **Dogami earthquake maps** are included on the next page.

Thank you for your consideration of my testimony.  
We look forward to your good work!

Julie Chapman



