



Resilient Washington Subcabinet

May 3, 2017 Update Meeting



Resilient Washington Subcabinet

Welcome



Resilient Washington Subcabinet

Workgroup Current Actions,
Gaps, and Barriers Update



Community Systems

Directive 2 – Current Actions

- Building on successes of interdisciplinary SEOC Mass Care Task Force tested during the Cascadia Rising Exercise -
- Increased continuity planning, training, and exercise at state agency level and among critical NGO partners
- DSHS Emergency Coordination Center supports impacted DSHS operations and clients
- DSHS geospatial capability enables identification of the physical location of DSHS operations and licensed providers relationship to specific threats and hazards.



Community Systems

Directive 2 – Gaps/Barriers

- Competing priorities of state agency missions
- Insufficient level of dedicated staffing
- Lack of strategic catastrophic state planning expertise
- Integrated planning, or crosswalks to connect relevant existing plans
- Operational areas have not been identified
- “Triggers” and “thresholds” (impetus to respond) to initiate state government action during a disaster must be developed
- Criteria for release of confidential client data – such as residential location - has not been developed for these circumstances



Community Systems

Recommendation 3 – Current Actions

- Addressing liability concerns for organizations that train volunteers for damage assessments.
 - **SSB 5185 Signed by Governor Inslee on April 17!**
- Commerce is assessing opportunities to leverage existing databases for inventories of vulnerable structures, such as unreinforced masonry (URM) buildings, based on the Governor's Directive and language in the proposed House Capital Budget.
- Office of the Insurance Commissioner (OIC) research shows that Washington State has earthquake insurance market demands. OIC created a webpage dedicated to earthquake insurance and provided a listing of the top 40 companies authorized to sell EQ insurance in Washington.
- Commerce, EMD, DSHS collaborated with federal, local, and non-profit stakeholders to develop a Housing Recovery Support Function (RSF) as part of a new long-term recovery strategy.



Community Systems

Recommendation 3 – Gaps/Barriers

- Training and education: volunteers, building and home owners, real estate professionals and the public...
- Planning and technical assistance resources for local governments and Tribes to incorporate resilience and mitigation strategies into new or existing plans.
- Legislation and policy regarding disclosure of seismic performance buildings as well as model language regarding mandatory or voluntary retrofitting of structures.
- Funding for future adopted policies and program implementation.



Community Systems

Recommendation 5 – Current Actions

- WA Military Department's Emergency Management Division – Private Sector Program.
- Department of Commerce strategic focus towards community planning, including business resilience.
- Cascadia Regional Earthquake Workgroup (CREW) Disaster Resistant Business (DRB) Toolkit.



Community Systems

Recommendation 5 – Gaps/Barriers

- Businesses are not aware of hazards or resources for continuity planning.
- Small and medium sized businesses have limited capacity and resources to address continuity planning.
- There is no single regulator or standard for verifying the continuity plans of large businesses that are critical infrastructure to the state.
- A more extensive Limited English Proficiency (LEP) Program is needed to reach diverse business communities.



Community Systems

Recommendation 7 – Current Actions

- DOH Construction Review Services program currently protects the health of people in Washington State by ensuring licensed healthcare facilities have safe and healthy physical environments, including meeting seismic standards.
- Medical Reserve Corps (MRCs) units can be deployed at the local level and work is being done to create mechanisms for activating emergency healthcare volunteers at the state level.
- Medical supply chain resiliency efforts are underway at multiple levels and private sector partners are engaged in these efforts.



Community Systems

Recommendation 7 – Gaps/Barriers

- Seismic retrofits for Critical Access hospitals is costly.
- Healthcare supply chains are based on “Just In Time” approaches which creates a strong reliance on governmental supply and equipment caches.
- The current Emergency Worker program (RCW 38.52.180) is intended for local response and not state level volunteers.



Infrastructure Systems

Directive 1 – Current Actions

- Identified current master contract would not support a CSZ incident, distributor level.
- Drafting new master contract to be used at the refinery level (est. June 2017).
- New master contract will have emergency response language included.



Infrastructure Systems

Directive 1 – Gaps/Barriers

- Time to draft and bid new master contract.
- Distribution of fuel dependent on transportation routes being open.
- How priorities for fuel will be determined.



Infrastructure Systems

Recommendation 2 – Current Actions

- Department of Commerce Clean Energy Fund 1 & 2 projects aimed at grid modernization.
- Infrastructure Resilience Sub-Committee (IRSC) of the Emergency Management Council.
- Department of Health's Office of Drinking Water Sector Specific Plan & the Water Supply Forum's Resiliency Project.
- Utilities and Transportation Commission oversight authority of investor-owned utilities.



Infrastructure Systems

Recommendation 2 – Gaps/Barriers

- Significant regulatory gaps.
- State Government does not possess all the data that is necessary for planning and to encourage investment in resiliency.
- Confidentiality concerns from network operators across sectors.
- Restoration prioritization needs to be based on the identification of infrastructure dependencies – currently, there is limited ability to identify these dependencies.
- Tools for analyzing economic losses due to earthquakes exist, but are limited.
- Expertise needed to carry out recommendation does not currently reside in position descriptions of individuals from the responsible agencies.
- Challenges to public-private coordination.



Infrastructure Systems

Recommendation 6 – Current Actions

- Retrofit all or part of 400 bridges, costing approximately \$195 M.
- Identified Puget Sound Lifeline route (I-5, I-405, SR 520, I-90).
 - \$170 M is in 16-year plan to finish Puget Sound lifeline.
- Working with federal, state, and local agency partners to develop recovery plans, agreements.
- New construction / retrofits builds to 1,000-year event.



Infrastructure Systems

Recommendation 6 – Gaps/Barriers

- Seismic retrofit plan based on current standard: 1,000-year event – not CSZ, a 2,500-year event.
- Retrofit helps prevent collapse, significant damage may still occur.
- Need to address liquefaction, tsunami effects.
- Need to expand Lifeline route for state highways, include local roadways – more coordination with local agencies needed.
- Additional funding needed to expand beyond the current seismic lifeline.
 - Estimated \$1.5 billion needed to complete seismic upgrades on state system.
 - Need to conduct analysis to determine addition routes and costs.



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Department of Commerce



Closing Remarks

