

Disaster Planning to Protect Heritage Resources

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Why is it important to participate in **local disaster planning** efforts to help protect historic and cultural properties?

*- Envision -*

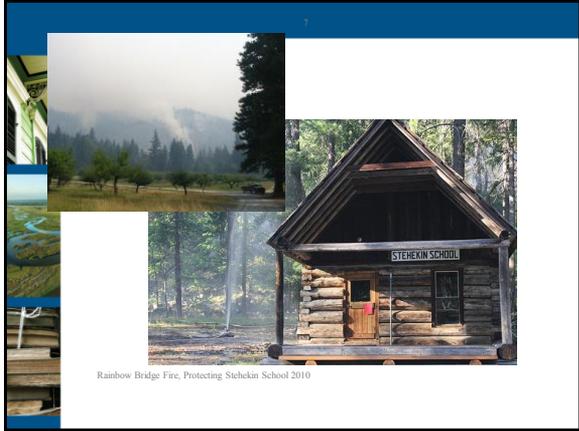
What are 5 of the most important places in your community?

What threatens them?  
How can you protect them?

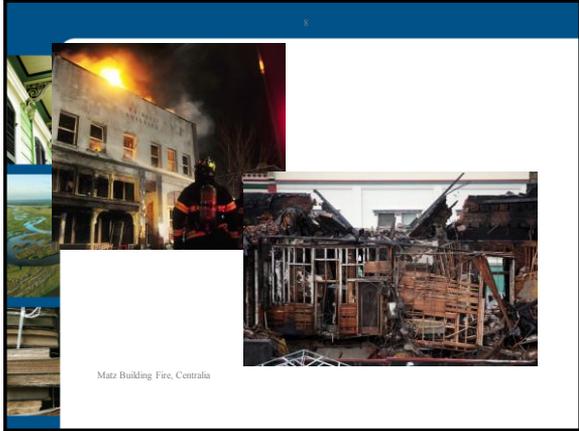
Natural Hazards in WA State that May Impact Historic and Cultural Properties

- Avalanche
- Drought
- Earthquake
- Flood (snowmelt)
- Landslide (mudslide)
- Severe Storm (wind, tornado)
- Tsunami
- Volcano
- Fire

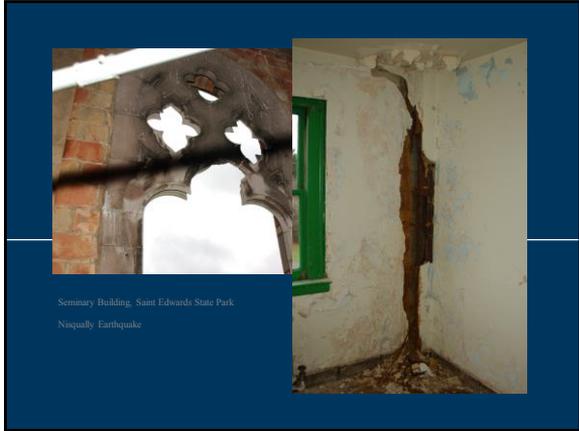
Water Tower - Pateros



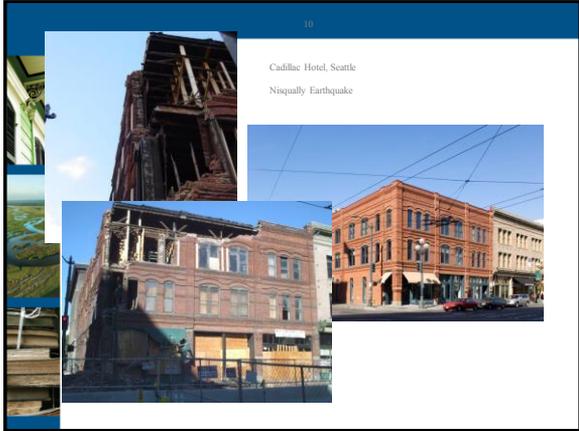
Rainbow Bridge Fire, Protecting Siehekin School 2010



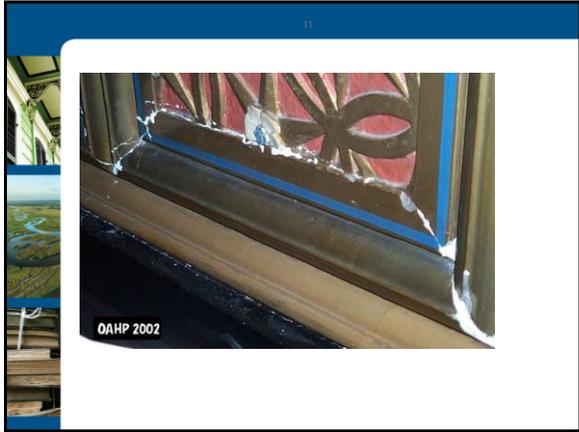
Matz Building Fire, Centralia



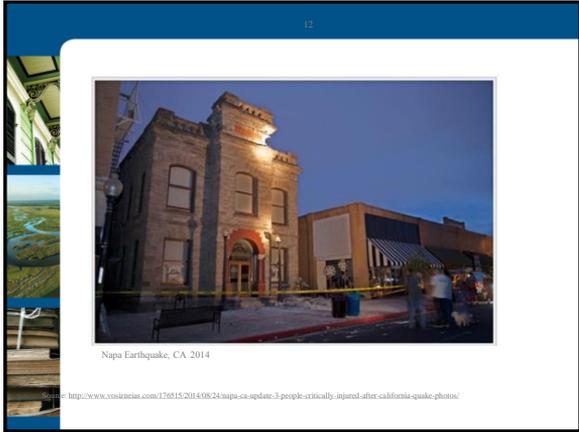
Seminary Building, Saint Edwards State Park  
Nisqually Earthquake



Cadillac Hotel, Seattle  
Nisqually Earthquake

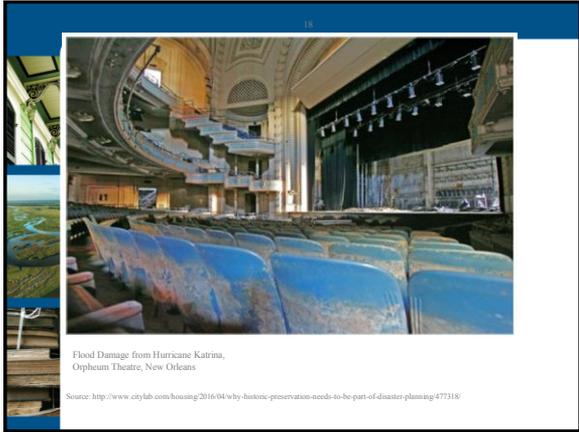
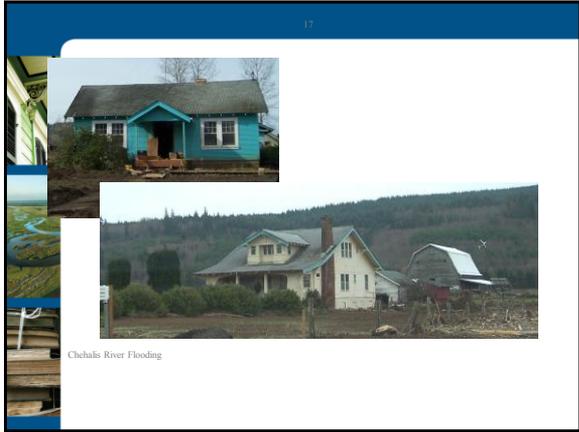
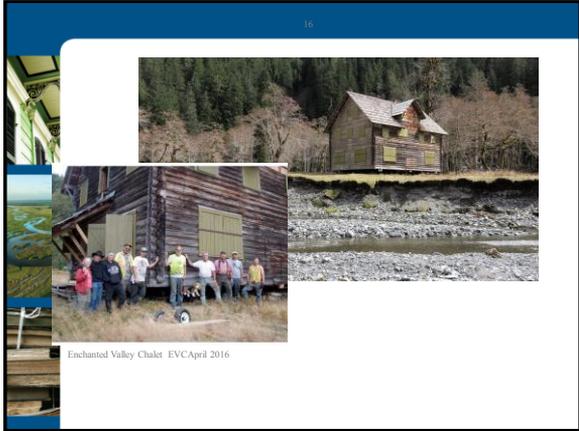
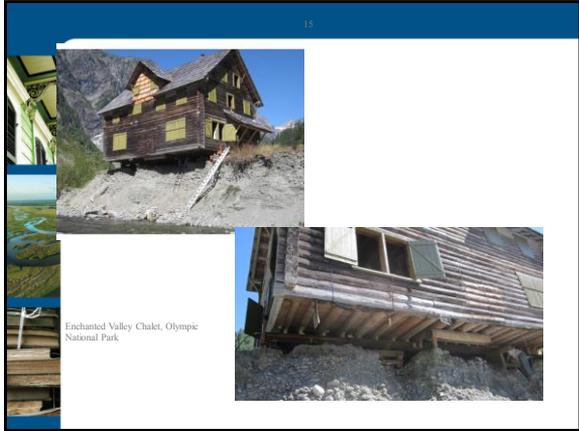
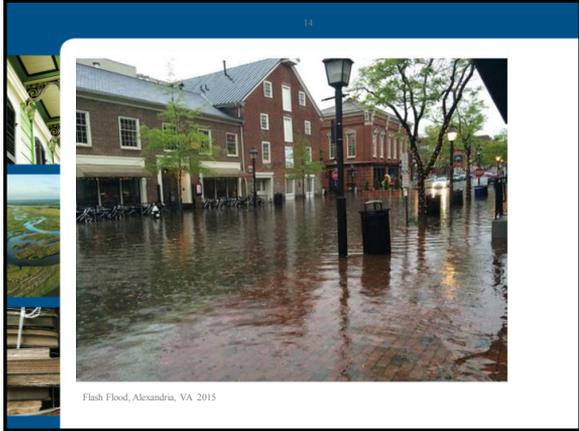
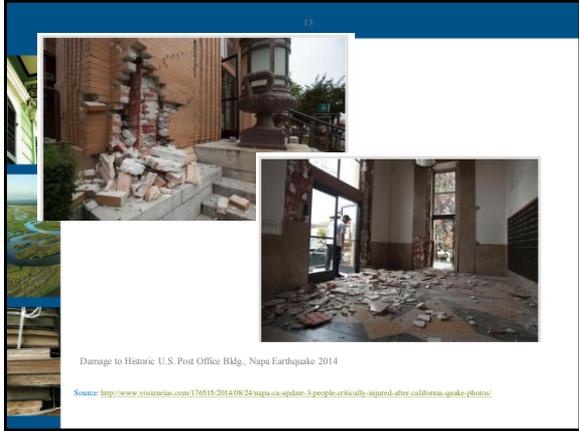


OAHF 2002



Napa Earthquake, CA 2014

Source: <http://www.vosincis.com/176515/2014/08/24/napa-ca-update-3-people-critically-injured-after-california-quake-photos/>



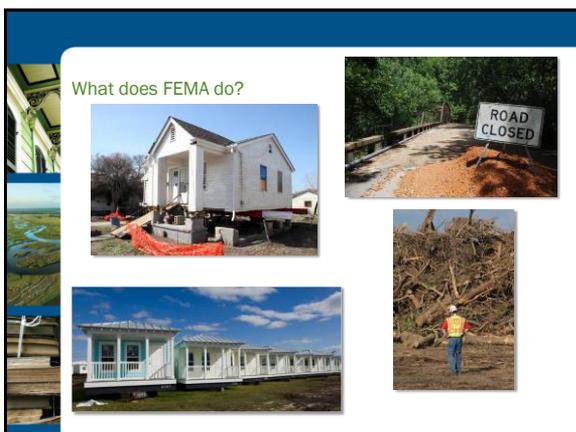


### Federal Emergency Management Agency

- Mission: to support our citizens and first responders to ensure that as a nation we work together to build, sustain and improve our capability to prepare for, protect against, respond to, recover from and mitigate all hazards.



- ### Key Emergency Management Planning Frameworks
- National Response Framework (4<sup>th</sup> Edition 2016)
  - National Disaster Recovery Framework (2<sup>nd</sup> Edition 2016)
  - National Mitigation Framework (2013)
  - Each outlines core capabilities, scope and critical tasks, roles and responsibilities, and coordinating structure
  - Response and Recovery frameworks have dedicated support functions for Natural Cultural and Historic Resources, ESF 11 and RSF 6
  - State's can tier off these federal plans and tailor to their organizational structure/operational approach/priorities
    - WA Comprehensive Emergency Mgmt. Plan (2016)
    - WA State Enhanced Hazard Mitigation Plan (2013)
    - WA Recovery Planning in process



- ### Pertinent FEMA Funding Programs
- Individuals and Family Grants
  - Emergency Management Performance Grants
  - Public Assistance Grant Program
  - Homeland Security Grant Program
  - Hazard Mitigation Grant Program
  - Port Security Grant Program
  - Pre Disaster Mitigation Grant Program
  - Flood Mitigation Assistance Grant Program

### FEMA's role in Historic Preservation

- Compliance - National Historic Preservation Act Section 106 review for grant projects
  - Executed review Programmatic Agreement with DAHP and EMD, tailored to FEMA's Mission and Programs
- Stewardship
  - National Frameworks supporting role, DOI lead
    - Response - ESF 11 -
    - Recovery Framework - RSF 6
  - Mitigation planning - state and local
  - National Flood Insurance Program relief for historic properties
  - Outreach and guidance publications

### WA State Comprehensive Emergency Plan

- Provides a framework for state, tribal, and county coordination and cooperation supporting the response and recovery of local jurisdictions in times of emergencies and disasters as defined in RCW 38.52.005 and RCW 38.52.030(3).
  - Implements the National Incident Management System (NIMS) within Washington State to provide assistance to affected residents and visitors in the state.
- Defines coordination by Essential Support Functions (ESFs)
  - ESF 11 - Agriculture and Natural Resources
    - Appendix - Protection of Natural Cultural and Historic Resources
  - ESF 14 Annex - Recovery
    - Recovery Support Functions - Natural and Cultural Resources

### WA State Recovery Planning (In Progress)

- National Disaster Recovery Framework
  - Recovery Support Functions (RSFs)
  - Natural and Cultural Resources
- EMD staff has met with the multi-agency Natural and Cultural Resources team to estimate the state's current capability to perform damage assessments
  - Inclusion in preparedness, mitigation, response, and recovery planning
  - Accurate databases of culturally significant sites to best inform damage assessment processes post-disaster

### WA State Hazard Mitigation Planning

- Hazard Mitigation Planning Requirements
  - DMA 2000 - HMP requirement to receive disaster assistance funds (state & local)
- Process
  - Organize Resources
  - Assess Risk
  - Develop a Mitigation Strategy
  - Implement Plan and Monitor Progress
- Historic resource preservation can be integrated into these plans to accomplish mitigation activities

### Local Hazard Mitigation Plan Integration

- GMA / Comprehensive Plans / Critical Area Ordinances
- Historic Preservation Plans
- Comprehensive Flood Hazard Management Plans
- Community Wildfire Protection Plans
- Comprehensive Emergency Management Plans
- Evacuation Plans
- Water Resources Management Plans
- Continuity of Operation Plans
- Recovery Plans

### City of Seattle Disaster Recovery Framework

Goals and Strategies Related to Natural and Cultural Resources

Immediate	Short-Term	Long-Term
<b>1. Evaluate needs and capabilities of Seattle's parks and open spaces and set a phased recovery strategy.</b> 1.1 Maximize an up-to-date understanding of the recovery status of the City's parks and open spaces and establish a phased recovery strategy. 1.2 Identify environmental compliance requirements and available personnel assets.	<b>2. Preserve and facilitate the restoration and betterment of Seattle's natural assets.</b> 2.1 Engage in recovery actions that conserve, rehabilitate, and restore natural and environmental assets. 2.2 Rebuild in ways that improve Seattle's parks and open spaces.	
<b>3. Evaluate damage to historic resources and set short-term priorities.</b> 3.1 Assess the post-disaster condition of Seattle's historic resources and coordinate with other partners. 3.2 Take timely action to protect public safety and stabilize damaged historic resources.	<b>4. Encourage the rehabilitation of damaged historic resources.</b> 4.1 Understand and align available financial and personnel resources. 4.2 Launch a campaign to support the preservation of privately held historic resources by sharing information and resources with resource owners. 4.3 Rehabilitate City-owned resources.	
<b>5. Evaluate the state of Seattle's arts, cultural, and community assets, identifying roles each sector can play in recovery.</b> 5.1 Gather and consolidate status information. 5.2 Identify resource needs and engage local, regional, national, and international supporters. 5.3 Identify roles each sector can play in supporting recovery efforts.	<b>6. Connect arts, culture, and community organizations to the recovery effort and normalization process.</b> 6.1 Use arts and culture to help the community reflect, heal, celebrate, and reenergize the economy.	

### Port Townsend, HM Plan and grant project

- City of Port Townsend, Jefferson County, WA (2009)
  - Included the Jefferson County Library District as a planning partner
    - Identified historically significant assets to the community including the libraries and historic homes
    - Assessed posed by natural hazards to the facility
    - Brainstormed and prioritized mitigation actions
    - Applied for applicable funding to complete prioritized mitigation actions

### Port Townsend Excerpt – Critical Facilities Profile

1. Library \_\_\_\_\_ the Library is a community resource and a gathering place for the community.

Estimated cost to build the Library: \$ 7,000,000 in 2009 dollars. (Renovation and expansion underway.)

Estimated cost of contents: \$700,000

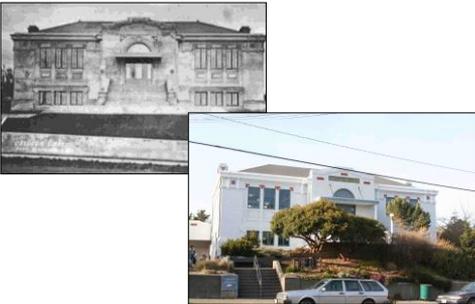
Estimated cost of volumes: \$1,500,000

NATURAL HAZARD EVENTS (1975-PRESENT)		
Type of Event	Date	Total Public
Severe Local Storm	Annually since 2007	
Earthquake	Periodic	None since 1975

**Natural Hazard Vulnerability Analysis Rating**  
 The property is most vulnerable to the following natural hazards ranked in order:

- Severe Local Storm
- Earthquakes
- Volcanic Activity

### Port Townsend Carnegie Library



### Port Townsend Excerpt – Critical Facilities Profile (cont.)

Proposed Natural Hazard Mitigation Measures				
Mitigation Activity	Mitigation Measure	Lead Agency	Funding Source	Time Line
LT-EQ-8	Seismic Reinforcement of Historic Carnegie Building	City Manager; City Council	PDM-2007 - \$1.28 million award; 25% match from city and/or corporate donors.	Start: 09/2009. Three year grant performance period.

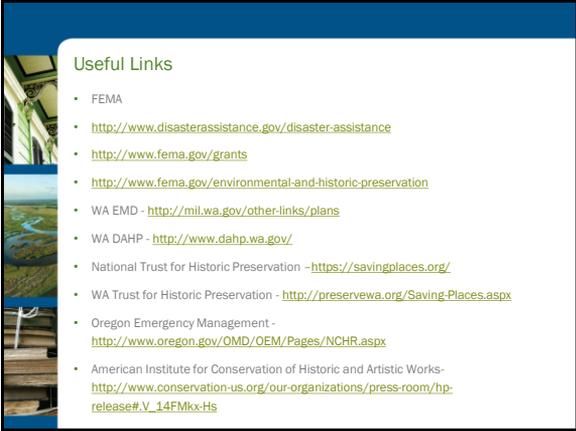
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### Examples of Initiatives FEMA has Participated in

- Looking to the Future: Alternatives to for Reducing Flood-Related Damage in Historic Communities, Milton PA, (2002)*
- Disaster Planning for Florida's Historic Resources (2003)*
- FEMA 386-6 Integrating Historic Property and Cultural Resource Considerations Into Hazard Mitigation Planning (2005)*
- Before and After Disasters: Federal Funding for Cultural Institutions [FEMA 533] (2005)*
- Disaster Mitigation for [Florida] Historic Structures: Protection Strategies (2008)*
- Cultural Resources Awareness for Emergency Managers Training – in development online and classroom-based*

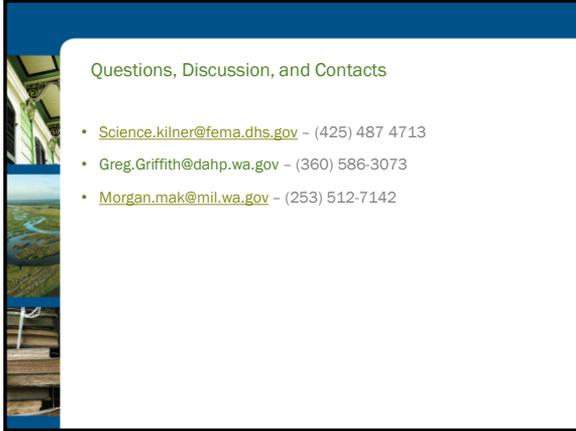
### Ways to Integrate Historic Preservation into disaster planning and emergency response

- Identify what hazards local historic resources are vulnerable to
- Inventory your cultural & historic resources. Priorities?
- Build & sustain relationships with emergency managers, first responders & heritage community
- Recognize and build on the inter-connections
- Integrate with local plans – preparation, response, recovery and mitigation
- Develop approaches to mitigate vulnerabilities
- Learn from previous experience
- Identify funding opportunities



### Useful Links

- FEMA
- <http://www.disasterassistance.gov/disaster-assistance>
- <http://www.fema.gov/grants>
- <http://www.fema.gov/environmental-and-historic-preservation>
- WA EMD - <http://mil.wa.gov/other-links/plans>
- WA DAHP - <http://www.dahp.wa.gov/>
- National Trust for Historic Preservation - <https://savingplaces.org/>
- WA Trust for Historic Preservation - <http://preservewa.org/SavingPlaces.aspx>
- Oregon Emergency Management - <http://www.oregon.gov/OMD/OEM/Pages/NCHR.aspx>
- American Institute for Conservation of Historic and Artistic Works - [http://www.conservation-us.org/our-organizations/press-room/hp-release#\\_V\\_14FMkx-Hs](http://www.conservation-us.org/our-organizations/press-room/hp-release#_V_14FMkx-Hs)



### Questions, Discussion, and Contacts

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