



# PLUMAS COUNTY 2020 LHMP UPDATE

## FINAL PUBLIC MEETING

October 20, 2020

### Hazards List

- Avalanche
- Climate Change
- Dam Failure
- Drought and Water Shortage
- Earthquake
- Flood: (100/500 year)
- Flood: Localized/Stormwater
- Landslide Mudslide, and Debris Flow
- Levee Failure
- Pandemic
- Severe Weather: Extreme Heat
- Severe Weather: Heavy Rains and Storms (Hail, Lightning)
- Severe Weather: High Winds and Tornadoes
- Severe Weather: Winter Storms and Freeze
- Tree Mortality
- Volcano
- Wildfire

### Mitigation Strategy: Plumas County Goals

***Goal #1: Minimize loss of life and injuries and protect property and the environment from natural hazards.***

- Minimize loss from priority natural hazards to include wildfire, flood, earthquake, dam failure, drought, landslides, and severe weather hazards
- Minimize impact to existing and future development
- Minimize economic and natural resource impact
- Promote resiliency strategies
- Support mitigation planning and implementation in all County departments and operations

***Goal #2: Reduce losses and provide protection for critical facilities, infrastructure, and services from hazard impacts***

- Implement critical facility upgrades and mitigation measures to ensure reliability of services
- Update and maintain a GIS database of critical facilities to include: Essential Services, At-Risk Populations, Hazardous Materials Facilities

***Goal #3: Minimize the loss of agricultural and natural resource productivity (foundation of rural economy) from natural hazards***

- Support education and training of private land managers on hazard mitigation and disaster preparedness
- Promote local research, education, and technical assistance on sustainable agriculture and forestry practices
- Foster agricultural and natural resource resilience to natural hazards through implementation of best management practices and restoration activities
- Provide training, technical assistance, outreach and education to private landowners on tree mortality, identification, management, and prevention strategies

***Goal #4: Increase community awareness, education, preparedness, and self-reliance to natural hazards***

- Enhance public and stakeholder outreach, education, and preparedness programs to include all hazards of concern
- Increase public and stakeholder knowledge about the risk and vulnerability to identified hazards and how to be more self-reliant in mitigating risks from natural hazards
- Provide public and stakeholder education and outreach specific to evacuation routes, various available emergency communication modes, and roles and responsibilities.

***Goal #5: Increase communities' ability to mitigate hazards and be prepared for, respond to, and recover from a disaster event in Plumas County***

- Improve community capabilities to mitigate hazards and reduce losses
- Enhance community capabilities by improved coordination of local, state, and federal resources
- Increase capabilities to provide mitigation opportunities and assistance to Plumas County communities
- Increase the capacity to effectively respond to and recover from natural disaster events
- Enhance emergency communication capabilities (e.g., cell phones, radios, sirens, reverse 911, multi-media, etc.)
- Increase capabilities for continuity of government
- Improve community's ability to be competitive/successful with grant funding opportunities from application development to project delivery

***Goal #6: Minimize life safety issues, property loss, environmental damages, and economic impacts associated with wildfires, the #1 natural hazard of concern in Plumas County***

- Reduce the wildfire risk and vulnerability
- Update, maintain, and implement Community Wildfire Protection Plans
- Develop a Countywide fuels management implementation strategy
- Coordinate comprehensive fire protection strategies among all federal, state, and local agencies and across all property boundaries to implement a fire-adapted community concept approach at broader county-wide geographic and policy scales.
- Increase community education, outreach, and awareness of wildfire mitigation strategies, including those to be undertaken by private property owners
- Continue to seek establishment of Firewise USA sites (communities)
- Promote and develop a tree mortality action plan for monitoring, prevention and mitigation activities
- Promote and enhance fire-fighting capabilities (e.g., access roads, water supply, etc.)

- Improve community infrastructure for wildfire preparedness and response including locating safety zones, augmenting community water supplies, and reducing fire hazard along transportation and power infrastructure.
- Enhance the county wildfire hazard codes, including enforcement capabilities, within areas of high wildfire risk
- Continue land use planning efforts to ensure increased fire safety in new developments
- Develop and implement outreach, education, and technical assistance to encourage “home hardening” and retrofitting of older residences and structures to increase community resilience to wildfire.

***Goal #7: Minimize the effects of climate change on natural hazards in Plumas County***

- Develop a Climate Action Plan for Plumas County
- Consider and integrate climate change information and issues in future General Plan updates

## Mitigation Strategy: Plumas County Mitigation Actions

Action Title	New Action/ 2014 Action	Address Current Development	Address Future Development	Continued Compliance with NFIP	Mitigation Type
<b>Multi-Hazard Actions</b>					
Action 1. Integrate Local Hazard Mitigation Plan into Public Health & Safety Element of General Plan	New action	X	X		Prevention
Action 2. Enhance Public Education and Awareness of Natural Hazards and Public Understanding of Disaster Preparedness	New action	X	X	X	Public Information
Action 3. Identify and Implement Bank Stabilization Projects	2014 Action	X	X	X	Property Protection Structural Projects Natural Resource Protection
Action 4. Continue Bridge Replacement Program using Federal Funding Source for Evacuation and Emergency Services Access	New action	X	X	X	Structural Projects Emergency Services
Action 5. Identify and Implement Projects to Address Areas of Landslides Affecting Roadway and Railroad	New action	X	X		Property Protection Structural Projects Natural Resource Protection
Action 6. Evaluate and Implement Wolf Creek Channel Stabilization Projects through Greenville and Indian Valley Areas	New action	X	X	X	Property Protection Structural Projects Natural Resource Protection
Action 7. Companion Animal/Livestock/Horse/Equipment Trailer	New action	X	X		Emergency Services
Action 8. Plumas County General Plan Public Health & Safety Element update to incorporate Senate Bill (SB) 379 requirements	New action	X	X		Prevention
Action 9. Continue Telephone Emergency Notification System (TENS) Capability Enhancements Countywide	New action	X	X		Emergency Services
Action 10. Evacuation Planning, Mapping, and Exercising, to Include Considerations for Shelters, Refuge Areas, Safety Zones, Evacuation Signage, etc.	New action	X	X		Emergency Services

Action Title	New Action/ 2014 Action	Address Current Development	Address Future Development	Continued Compliance with NFIP	Mitigation Type
Action 11. Evaluate Coverage and Expansion for Broadband Services. Advance Grants and Projects Accordingly	New action	X	X		Emergency Services
Action 12. Harden Cell Tower Sites. Increase Cell Service Coverage by Increasing the Number of Cell Towers. Increase the Number of Repeater Sites. Install Backup Generators in Case of Power Failure.	New action	X	X		Property Protection Structural Projects Emergency Services
Action 13. Identify Critical Facilities Requiring Backup Generators	New action	X	X		Property Protection Structural Projects Emergency Services
Action 14. Prepare Emergency Food Access Plan as a Complement to the Plumas County EOP Annex B: Mass Care & Shelter	New action	X	X		Emergency Services
Action 15. Explore establishing a Community Emergency Response Team (CERT)	New action	X	X		Emergency Services
<b>Climate Change Actions (with Drought and Water Shortage)</b>					
Action 16. Develop a Climate Action Plan	New action	X	X	X	Prevention
Action 17. Water Shortage Preparedness and Contingency Planning Pilot Project	New action	X	X		Prevention
Action 18. Water Supply Infrastructure Improvements	New action	X	X		Property Protection Structural Projects
<b>Dam Failure, Flood, Localized Flood, Levee Failure, and Severe Weather Actions</b>					
Action 19. County Wide Stormwater Drainage and Grading Ordinance	New action	X	X	X	Prevention
Action 20. Develop a Countywide Drainage Master Plan	New action	X	X	X	Prevention
Action 21. FEMA Mapping Update	New action	X	X	X	Prevention
Action 22. Evaluate Options to Repair and Maintain Levee Crown for Emergency Access Vehicles (Gates, Crown Repair, Vegetation Maintenance, etc.)	New action	X	X	X	Structural Projects Property Protection Emergency Services Natural Resource Protection
Action 23. Ongoing Implementation of Stream Clearing and Maintenance Programs	New action	X	X	X	Property Protection Natural Resource Protection

Action Title	New Action/ 2014 Action	Address Current Development	Address Future Development	Continued Compliance with NFIP	Mitigation Type
Action 24. Plumas Eureka CSD stream bank flood mitigation	New action	X	X	X	Property Protection Structural Projects Natural Resource Protection
Action 25. Evaluate and Implement Projects to Reduce Flooding in Plumas Eureka CSD	New action	X	X	X	Property Protection Structural Projects Natural Resource Protection
Action 26. Plumas Eureka CSD Sewer Plant Flood Mitigation	New action	X	X	X	Property Protection Structural Projects Natural Resource Protection
Action 27. Evaluate Options for Obtaining 100-year Level of Certification for the Diversion Dam (East and West Chester Levees)	New action	X	X	X	Property Protection Structural Projects Natural Resource Protection
Action 28. Review and Update, as Needed, Title 8 (Building Regulations), Chapter 17 (Flood) of the Plumas County Code re: Floodplain Ordinance and Applicable Title 9 (Planning and Zoning) Sections	New action	X	X	X	Prevention
<b>Earthquake Actions</b>					
Action 29. Conduct a Seismic Risk Evaluation of Critical Facilities and Public Buildings; Prioritize and Implement Seismic Retrofits. PECSA Water Storage Tank Replacement	New action	X	X		Property Protection Structural Projects
<b>Pandemic Actions</b>					
Action 30. Update and Refine Pandemic Plan	New action	X	X		Prevention
Action 31. Seismic Risk Evaluations to Prioritize and Implement Seismic Retrofits	New action	X	X		Property Protection Structural Projects
<b>Wildfire, Drought and Water Shortage, and Tree Mortality Actions</b>					
Action 32. PRC 4290 – Plumas County Code Title 9, Chapter 8. Street Address System. Promote and continue to implement compliant street/address reflective signage for public and private roads and structures	New action	X	X		Property Protection Public Information Emergency Services
Action 33. Ingress/Egress Road Projects to Widen and Improve Roads for Evacuation and Emergency Services Access	2014 action	X	X		Property Protection Emergency Services

Action Title	New Action/ 2014 Action	Address Current Development	Address Future Development	Continued Compliance with NFIP	Mitigation Type
Action 34. Plumas County Agriculture, Forestry, and Natural Resources Resilience	New action	X	X		Prevention Natural Resource Protection
Action 35. Invasive Species Control and Eradication	New action	X	X		Prevention Natural Resource Protection
Action 36. Continue and Promote Defensible space (PRC 4291) Projects Including Assistance Efforts for Senior and Disabled Residents	New action	X	X		Property Protection
Action 37. Establish Additional Firewise USA Sites (communities) and Promote Existing Ones	New action	X	X		Prevention Public Information Property Protection
Action 38. Continue to Evaluate and Track Available Funding Sources for Wildfire Mitigation Projects	New action	X	X		Prevention
Action 39. Develop a Program to Promote and/or Incentivize Home Hardening Retrofitting including: Roofs, Vents, Siding, Windows, etc.	New action	X	X		Prevention Property Protection Structural Projects
Action 40. Identify and Implement Priority Wildfire Risk Reduction Projects from the Plumas County CWPP to Enhance Forest Health Including Detection, Prevention, and Mitigation of Tree Mortality	New action	X	X		Prevention Property Protection Structural Projects Natural Resource Protection
Action 41. Plumas County General Plan Public Health & Safety Element update to address state law requirements for land classified as State Responsibility Areas (SRAs) and within Very High Fire Hazard Severity Zones (VHFHSZs)	New action	X	X		Prevention
Action 42. Local Adoption of State Responsibility Area Fire Safe Regulations	New action	X	X		Prevention
Action 43. Improve Funding and Response Capabilities of Local Fire Protection Districts and Expand Districts in Areas not Covered	New action	X	X		Prevention Property Protection Natural Resource Protection