

### **EXECUTIVE SUMMARY**

The purpose of hazard mitigation is to reduce or eliminate long-term risk to people and property from hazards. Placer County and the other participating jurisdictions developed this Local Hazard Mitigation Plan (LHMP) update to make the County and its residents less vulnerable to future hazard events. Similar to the 2005 LHMP, this plan was prepared pursuant to the requirements of the Disaster Mitigation Act of 2000 so that Placer County would be eligible for the Federal Emergency Management Agency's (FEMA) Pre-Disaster Mitigation and Hazard Mitigation Grant programs as well as lower flood insurance premiums (in jurisdictions that participate in the National Flood Insurance Program's Community Rating System).

The County followed a planning process prescribed by FEMA, which began with the formation of a hazard mitigation planning committee (HMPC) comprised of key county, city, and district representatives and other stakeholders. The HMPC conducted a risk assessment that identified and profiled hazards that pose a risk to Placer County, assessed the County's vulnerability to these hazards, and examined the capabilities in place to mitigate them. The County is vulnerable to several hazards that are identified, profiled, and analyzed in this plan. Floods, wildfires, severe weather, and drought hazards are among the hazards that can have a significant impact on the County.

Based on the risk assessment, the HMPC identified goals and objectives for reducing the County's vulnerability to hazards. The six goals of this multi-hazard mitigation plan are:

- Prevent Future Hazard Related Losses of Life and Property
- Increase Public Awareness/Action of Vulnerability to Hazards
- Improve Community Emergency Services/Management Capability
- Implement and complete identified high priority projects listed in the plan
- Pursue Multi-Objective Opportunities "MOM" Whenever Possible
- Maintain FEMA Eligibility/Position Jurisdictions for Grant Funding

To meet identified goals and objectives, the plan recommends 112 mitigation actions, which are summarized in the table that follows. This plan has been formally adopted by the County and the participating jurisdictions and will be updated every five years at a minimum.

## **Mitigation Actions**

Action	Lead Jurisdiction
Multi-Hazard Mitigation Actions	
Integrate Local Hazard Mitigation Plan into Safety Element of General Plan	Placer County All Incorporated Communities
Replacement of the Alpine Meadows Road Bridge over the Truckee River	Placer County
Inspection of Bridges Less than 20 Ft in Length	Placer County
Replacement of the Walerga Road Bridge over Dry Creek	Placer County
Replacement of Yankee Jims Road Bridge over the North Fork of the American River	Placer County
Generators for Sewer Pump Stations	Placer County
SCADA Systems	Placer County
Elevate Repetitive Loss Structures in 100-year Floodplain	Placer County
Develop and Conduct a Multi-Hazard Seasonal Public Awareness Program	Placer County
GIS Based Mapping of Pertinent Information that can be Used by all Agencies in the Development of Plans and During Emergency Incidents	City of Auburn
GIS Based Mapping of Pertinent Information that can be Used by all Agencies in the Development of Plans and During Emergency Incidents	City of Rocklin
Portable Generator Project	Nevada Irrigation District
FCC P-25 Interoperability Radio Systems	North Tahoe Fire Protection District
District GIS Technology, Equipment, Database and Mapping Improvements	North Tahoe Fire Protection District
Emergency Radio Transmitters and Information Systems	North Tahoe Fire Protection District
Evacuation Shelter Improvements	North Tahoe Fire Protection District
East Booster Emergency Power	Squaw Valley Public Service District
Easement Abatement/Maintenance of Emergency Access	Squaw Valley Public Service District
Develop a Community-Wide Emergency Notification System	Squaw Valley Public Service District
School Site and Community Education of Procedures Related to Safety and Emergency Situations. Improvement of District Wide Emergency Communication and Alert Systems	Tahoe Truckee Unified School District
Address signage for property addresses	Town of Loomis
Agricultural Hazards Mitigation Actions	
Placer County Noxious Vegetation Management in Land Conservatory	Placer County
Continue and Maintain Noxious Weed Eradication Program	Placer County
Drought Mitigation Actions	
Water & Sewer System GPS Project	Squaw Valley Public Service District

Action	Lead Jurisdiction
SVPSD/Mutual Water Company Inter-tie Hazards	Squaw Valley Public Service District
Earthquake Mitigation Actions	
Identify Un-Reinforced Masonry Buildings in the City	City of Colfax
North Tahoe Fire Protection District Critical Facility Infrastructure Improvements	North Tahoe Fire Protection District
North Tahoe Fire Protection District Headquarters Station Relocation and North Tahoe Command Center Development	North Tahoe Fire Protection District
Water Tank Earthquake Retrofit Project	Squaw Valley Public Service District
Seismic Stability Study and Retrofit	Tahoe City Public Utility District
Flood Mitigation Actions	
Placer County Low Intensity Development Program	Placer County Community Development Resource Agency
Squaw Creek Restoration & Drainage Enhancement Project	PCFCWCD/Placer County
Elevate Remaining 95 Homes in the Dry Creek Watershed	PCFCWCD/Placer County
Pursue Regional Detention and Retention Projects within the Dry Creek and Cross Canal Watersheds.	PCFCWCD/Placer County
Update Hydrology and Hydraulic Models within the Critical Dry Creek and Cross Canal Watersheds.	PCFCWCD/Placer County
Implementation of Identified Bridge and Culvert Replacement Projects.	PCFCWCD/Placer County
Upgrade of Flood Warning System to Include Additional Gage Locations and Flood Forecasting Capabilities	PCFCWCD/Placer County
GIS Mapping of Flood Zones within the City.	City of Auburn
Lincoln Basin (Downtown) Drainage Infrastructure	City of Auburn
Creek and Stream Cleaning and Maintenance Program	City of Auburn
Implementation of Storm Water Treatment Plan	City of Auburn
Electric Street Diversion Project	City of Auburn
Old Town Auburn Storm Drain System	City of Auburn
Flood Warning System	City of Lincoln
State Route 65: Auburn Ravine Bridge – Reconstruct Bridge	City of Lincoln
State Route 193: Auburn Ravine Bridge – Additional 110' Span	City of Lincoln
Lakeview Farms Regional Volumetric Mitigation Improvements – Phase 1	City of Lincoln
Gladding Parkway, State Route 65, McCourtney Road Stream Restoration and Culvert Improvements.	City of Lincoln
"O" Street Drainage Improvements.	City of Lincoln
7 <sup>th</sup> Street Drainage Improvements.	City of Lincoln
Auburn Ravine at State Route 193 Bridge.	City of Lincoln
Auburn Ravine at State Route 65 Bridge.	City of Lincoln
Ingram Slough – Orchard Creek return channel	City of Lincoln
Markham Ravine – Updated FEMA Analysis and Mapping.	City of Lincoln
Markham Ravine Drainage Improvements – Union Pacific Railroad and State Route 65 crossings.	City of Lincoln

Action	Lead Jurisdiction
Auburn Ravine Stream Restoration Projects (analysis and repairs).	City of Lincoln
Markham Ravine Streambed Restoration Projects (analysis only).	City of Lincoln
Coon Creek Streambed Restoration Projects (analysis only).	City of Lincoln
Delmar Avenue Headwall Reconstruction Project	Town of Loomis
Creek Maintenance Secret Ravine & Antelope Creek	Town of Loomis
Reconstruction of Brace Bridge at Secret Ravine	Town of Loomis
Mineral Springs Soil Bank Stabilization Project	Alpine Springs County Water District
Canal Culvert Replacement Program	Nevada Irrigation District
Reservoir Cleaning	Nevada Irrigation District
Seiche	
Sieche Wave Warning Systems, Signs and Public Education	North Tahoe Fire Protection District
Severe Weather	
HVAC Control Upgrades	Tahoe Truckee Unified School District
Wildfire Mitigation Actions	
Firewise Communities/USA Educational Outreach	Placer County
Establish the "Rural Lincoln Fire Safe Council"	Placer County
Hazardous Vegetation Abatement Program	Placer County
Shaded Fuel Break Establishment and Maintenance in Hidden Falls Regional Park	Placer County
Biomass Removal Projects	Placer County
Provide Fire Protection Water Source in Sheridan (Emergency Services)	Placer County
Develop a Community Wildfire Prevention Plan (CWPP) for Western Placer	Placer County
Maintenance of Shaded Fuel Breaks and Demonstration Fuel Breaks	Placer County
Annual Defensible Space Inspections Program in the Unincorporated County	Placer County
Establish Additional Fire Safe Councils on the Western Slope	Placer County
Placer County Chipper Program Operational Funds	Placer County
Enhance Enforcement Of County Building Codes to Increase Compliance with SB 1369 Defensible Space and Other Fire Safe Requirements in the Unincorporated County.	Placer County
Ensure That All Homes in the Placer County Foothills have PRC 4290 Compliant Address Signs.	Placer County
Develop and fund an enforceable weed abatement program.	Placer County
Annual Multi-Agency Wildland Fire Drill.	Placer County Fire Chief's Association
Cooperative Fire Service Response Agreement for The Western Side of all Placer County Fire Agencies.	Placer County Fire Chief's Association
Establish the "Rural Lincoln Fire Safe Council"	Placer County Fire Safe Alliance/Placer County Fire Agencies
American River Canyon Shaded Fuel Break	City of Auburn

Action	Lead Jurisdiction
Community Education on Wildfire (was Action #3 – Public Education of the Results of a Wildfire in a Community and What Can Be Done by Citizens in Developing Safeguards)	City of Auburn
Residential Home Inspections for Compliance of Fire Safe Standards; Defensible Space.	City of Auburn
Maintenance of the Private Lands Portion of the Shaded Fuel Break Along the Rim of the American River Canyon and the Auburn State Recreation Area (ASRA)	City of Auburn
Obtain Funding for a Residential Fuel Reduction Program (was Obtain Funding For A Residential Fire Protection Program in 2005 Plan)	City Of Colfax
Evaluate the Need and Feasibility of Improving Fire Prevention for The Historic Business District	City Of Colfax
Fire Prevention and Fuels Management Plan	City of Lincoln
Open Space Fire Prevention & Vegetation Management Prescribed Grazing	City of Rocklin
Alpine Meadows Consolidated Defensible Space Project	Alpine Springs County Water District
Completion of Fuels Management Projects Within the Foresthill / Iowa Hill Fire Safe Council, Greater Auburn Area Fire Safe Council and Placer Sierra Fire Safe Council Areas of the Western Slope of Placer County	Foresthill Fire Protection District
Foresthill Biomass Project	Foresthill Fire Protection District /Placer County
Assess And Enhance Foresthill Fire Protection District (FFPD) New Subdivision, Hazard Fuels Clearing And Maintenance Ordinance. Put Programs In Place With Homeowners Associations In CC&R's And Maintenance Contracts	Foresthill Fire Protection District
Todd Valley Shaded Fuel Break	Foresthill Fire Protection District
Completion of Fuels Management Projects within Identified Areas of the Western Slope of Placer County	Foresthill/Iowa Hill Fires Safe Council/ Greater Auburn Area Fire Safe Council/ Placer Sierra Fire Safe Council/ Placer County Fire Safe Alliance
Community Wildfire Protection Plan (CWPP) projects (was Completion of Fuels Management Projects on Various Parcels in the North Tahoe Fire Protection District, as Outlined in the North Tahoe Community Fire Protection Plan in 2005 plan)	North Tahoe Fire Protection District
Defensible Space Inspection, Tree Marking, Chipping Program, and Public Education	North Tahoe Fire Protection District
Hazardous Wood Roof Replacement Program	North Tahoe Fire Protection District
Regional Water System Fire Protection Upgrades and Interoperability	North Tahoe Fire Protection District
Skid Steer Loader with Transport Trailer, Fuels Reduction Masticator Attachment and Snow Blower Attachment	North Tahoe Fire Protection District
Hydrant Risers, Replacements and Markers	North Tahoe Fire Protection District
Maintain and Enhance Canal Systems by Converting Earthen Canals to Gunite- Lined Canals in Critical Areas	Placer County Water Agency
Replace Wooden Flume Structures with Steel Structures	Placer County Water Agency
De-Silt Reservoirs	Placer County Water Agency

Action	Lead Jurisdiction
Annual Defensible Space Inspections Program for the Placer Hills Fire Protection District (PHFPD)	Placer Hills Fire Protection
Assess and Enhance Placer Hills Fire Protection District (PHFPD) Onsite Water Requirements for Minor Lot Splits	Placer Hills Fire Protection
Forest Fuel Reduction - Highlands	Tahoe City Public Utility District
Forest Fuel Reduction, Water, Sewer Pump & Lift Stations	Tahoe City Public Utility District
Forest Thinning Around Lake Area Schools	Tahoe Truckee Unified School District
Severe Weather: Snow	
Structural Upgrades of Roofs at School Sites to Support Higher Snow Loads.	Tahoe Truckee Unified School District



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