



Supplemental Council Agenda Report

To: Mayor Riggins and the Honorable Members of the City Council

Prepared by: Susan Dueñas, Public Safety Director

Approved by: Candace Bond, Interim City Manager

Date prepared: November 20, 2025 Meeting date: November 24, 2025

Subject: General Plan Safety Element Update

RECOMMENDED ACTION: Receive an updated attachment to the General Plan Safety Element staff report.

FISCAL IMPACT: There is no fiscal impact associated with the recommended action.

STRATEGIC PLAN IMPLEMENTATION: This item is part of the day-to-day operations identified in the Adopted FY 2024-25 Strategic Priority Project List.

DISCUSSION: The General Plan Safety Element staff report being heard at the November 24, 2025 Regular City Council Meeting includes four attachments, including a General Plan Safety Element Policy Framework. At the time of posting, only a draft was available. For ease of review, a clean version is now being provided.

ATTACHMENTS: General Plan Safety Element Policy Framework

City of Malibu General Plan Safety Element Update – Goals, Objectives, Policies, and Actions Summary

EMERGENCY PREPAREDNESS

GOAL S-1: A COMMUNITY BETTER PREPARED FOR FUTURE EMERGENCIES.

Objective / Policy / Action

S-1.1	Ensure residents, employees, and visitors understand the risks within the community
S-1.1.1	Communicate existing and emerging risks to residents, businesses, and visitors from hazardous areas, where practicable.
S-1.1.2	Improve understanding of community risks by residents, businesses, and visitors through signage and educational materials.
<i>Action S-1.1.2a</i>	Develop and maintain a development geo-hazard and coastal vulnerability database to incorporate findings from site specific and area hazard-related studies.
<i>Action S-1.1.2b</i>	Develop and maintain an up-to-date list of appropriate media outlets to relay emergency information, such as early warnings and notification of threats to the community.
<i>Action S-1.1.2c</i>	Educate and encourage both residents and local businesses to carry adequate insurance or maintain adequate resources to meet most emergencies.
<i>Action S-1.1.2d</i>	Establish community health-education and safety-education programs, to include the need to prepare well ahead of time for emergency response and recovery.
S-1.1.3	Create and enhance an all-hazards outreach and education program prioritizing at-risk populations. Priority issues addressed should include: <ul style="list-style-type: none"> a) Emergency Preparedness and Evacuation; b) Seismic and Geologic Hazards; c) Flood and Dam Failure Hazards; d) Wildfire Hazards; e) Severe Weather f) Human-Caused Hazards; and g) Climate Adaptation
<i>Action S-1.1.3a</i>	As part of outreach and education programs, share updated maps and information with residents and businesses throughout the City.
S-1.2	Ensure City staff are able to plan, prepare, and respond to emergency situations efficiently and effectively.
S-1.2.1	Maintain and update as needed a comprehensive Emergency Operations Plan for response to all levels of emergency situations affecting the City.
<i>Action S-1.2.1a</i>	Conduct annual trainings, exercises, and/or simulations to ensure that staff are properly prepared to support emergency management functions during an incident.

<i>Action S-1.2.1b</i>	Conduct emergency-response drills on a regular basis and periodically participate in Operational Area trainings and exercises and include city staff and stakeholders when appropriate.
S-1.2.2	The City shall cooperate to achieve efficient and prompt response by local agencies to those emergencies which require no outside help.
<i>Action S-1.2.2a</i>	Support and encourage sufficient local staffing and equipment levels for first responder agencies and city services to ensure timely and well-coordinated responses to calls for service and most emergency situations.
S-1.2.3	The City shall coordinate efficient utilization of emergency assistance provided by neighboring communities and county agencies under mutual-aid response.
S-1.2.4	The City shall create, maintain, and coordinate with local volunteer agencies to enhance emergency assistance and response.
<i>Action S-1.2.4a</i>	Continue to organize, train, and support the City of Malibu Community Emergency Response Team (CERT), to maintain trained and organized volunteers from the community capable of providing intelligence, communications, medical and logistic support to the professional health and safety organizations in emergency situations.
<i>Action S-1.2.4b</i>	Continue to improve the area-wide, volunteer-manned emergency communication system.
<i>Action S-1.2.4c</i>	Work with the Red Cross, other private agencies, and local, state and federal government agencies on disaster-preparedness education and training.
S-1.2.5	Ensure information about hazards or concerns, critical facilities, and vulnerable populations is periodically updated by the City.
<i>Action 1.2.5a</i>	Map all existing and planned critical facilities in the City and categorize them based on function.
<i>Action 1.2.5b</i>	In coordination of updates to planning documents (Emergency Operations Plan and Hazard Mitigation Plan, etc.), adopt and update as appropriate maps of existing and emerging hazards of concern.
S-1.2.6	The City shall provide effective and efficient law enforcement protection services to ensure effective emergency response.
<i>Action S-1.2.6a</i>	Periodically evaluate Los Angeles County Sheriff's services and service criteria to ensure that the City continues to receive adequate law enforcement services.
S-1.2.7	Ensure communications capabilities meet current and future community needs and incorporate newer more effective technologies.
S-1.3	Minimize the impact to the emergency evacuation capability of the City.
S-1.3.1	Ensure new development, redevelopment, and major remodels do not diminish roadway capacity and evacuation capabilities and support future evacuations during emergencies.
S-1.3.2	Require all new developments and redevelopments within fire hazard severity zones provide a minimum of two points of access by means of

	public roads that can be used for emergency vehicle response and evacuation purposes, where practicable.
<i>Action S-1.3.2a</i>	Design and ensure all private roads are maintained to permit unrestricted emergency equipment and personnel access in compliance with the California Fire Code, adopted local ordinances, and Fire Safe Regulations.
<i>Action S-1.3.2b</i>	Identify the feasibility of constructing additional emergency access improvements for existing developments that do not meet minimum road standards for emergency equipment, such as: <ul style="list-style-type: none"> a) Additional vehicle pullouts at key hillside locations. b) Limiting or restricting on-street parking at key hillside locations and areas with inadequate road widths. c) Potential for construction of new or improved emergency access routes. d) Roadside clearance improvements.
S-1.3.3	Maintain functionality, make improvements, and expand the capacity, where feasible, of the existing emergency evacuation routes within the City, taking into account current and future natural and human-caused hazards.
<i>Action S-1.3.3a</i>	Conduct public outreach and educational activities associated with emergency evacuation routes and procedures, prioritizing efforts towards vulnerable populations.
<i>Action S-1.3.3b</i>	Prepare evacuation routes and disaster response plans for known hazards within the city.
<i>Action S-1.3.3c</i>	Work with law enforcement agencies to develop techniques to improve local access during times of emergency.
<i>Action S-1.3.3d</i>	Work with the appropriate jurisdictions to ensure that highways, roads, bike paths, foot paths, and trails are free of avoidable hazards.
S-1.3.4	In areas with inadequate access or without at least two evacuation routes, provide adequate mitigation actions to address the deficiencies required by the Fire Code and State law.
S-1.3.5	For residential developments in hazard areas that do not have at least two emergency evacuation routes, identify alternate evacuation options, implement earlier evacuation notifications, and develop protocols for future evacuations that consider the constraints associated with these areas.

GOAL S-2: A COMMUNITY THAT CAN QUICKLY RECOVER AFTER A HAZARD EVENT

Objective / Policy / Action

S-2.1	Establish a coordinated post-disaster/ hazard event recovery framework.
S-2.1.1	Develop and maintain a post disaster/ hazard event recovery framework that guides short- and long-term recovery across housing, infrastructure, public health, and environmental restoration.
<i>Action S-2.1.1a</i>	Adopt a local Post-Wildfire Recovery Plan as an appendix to the Emergency Operations Plan (EOP), consistent with the Local Hazard Mitigation Plan (LHMP).

<i>Action S-2.1.1b</i>	Designate a Recovery Coordinator or assign a local recovery team responsible for interagency coordination and communication during wildfire recovery.
S-2.2	Promote resilient and safe rebuilding in post-fire areas.
S-2.2.1	Support rebuilding efforts that meet or exceed current wildfire resilience standards and reduce future hazard exposure.
<i>Action S-2.2.1a</i>	Develop a "Resilient Rebuilding Checklist" with requirements for fire-resistant materials, compliance with Wildland Urban Interface (WUI) standards, and enhanced defensible space regulations.
<i>Action S-2.2.1b</i>	Establish a streamlined permit process for rebuilding fire-damaged structures that meet enhanced resilience criteria.
<i>Action S-2.2.1c</i>	Discourage rebuilding in the most hazardous areas identified in the Community Wildfire Protection Plan (CWPP) or Hazard Mitigation Plan unless risk reduction measures are in place.
S-2.3	Provide access to temporary and permanent housing after wildfires.
S-2.3.1	Facilitate rapid deployment of interim housing and the long-term replacement of lost housing, with a focus on vulnerable populations.
<i>Action S-2.3.1a</i>	Pre-identify sites suitable for temporary housing in coordination with the Housing Element and disaster recovery agencies.
<i>Action S-2.3.1b</i>	Encourage use of Accessory Dwelling Units (ADUs) and SB 9 lot-splits as flexible housing recovery tools.
<i>Action S-2.3.1c</i>	Work with nonprofit and regional partners to provide wraparound services, rental assistance, and housing counseling for displaced residents.
S-2.4	Restore and protect public health and the environment during recovery.
S-2.4.1	Ensure that post-fire recovery addresses air and water quality, soil stability, debris, and hazardous waste management.
<i>Action S-2.4.1a</i>	Coordinate with CalRecycle, CalEPA, and County Public Health to manage debris and hazardous materials after wildfires.
<i>Action S-2.4.1b</i>	Implement erosion control, slope stabilization, and/ or replanting of native vegetation as deemed appropriate by the Fire Chief and Public Works Director in burned areas within 6-12 months of a wildfire.
<i>Action S-2.4.1c</i>	Monitor and report post-wildfire environmental impacts, including air quality and surface water contamination, and incorporate findings into future planning efforts.
S-2.5	Prioritize equity and community engagement during the recovery process.
S-2.5.1	Ensure wildfire recovery services are inclusive and accessible, especially for low-income households, renters, seniors, and persons with disabilities.
<i>Action S-2.5.1a</i>	Develop a wildfire recovery assistance program offering case management, translation services, and rebuilding resources for underrepresented communities.
<i>Action S-2.5.1b</i>	Host community recovery meetings with language translation services responsive to the population and distribute recovery information in accessible formats within 30 days of a wildfire disaster declaration.
S-2.6	Leverage funding and partnerships to support recovery.

S-2.6.1	Actively pursue local, state, federal, and private funding to support wildfire recovery and resilience infrastructure.
<i>Action S-2.6.1a</i>	Maintain eligibility for FEMA and Cal OES funding by keeping the Safety Element, Hazard Mitigation Plan, and Emergency Operations Plan updated and aligned.
<i>Action S-2.6.1b</i>	Develop pre-approved applications and templates for commonly used post-disaster grant programs to accelerate access to recovery funding.

SEISMIC AND GEOLOGIC HAZARDS

GOAL S-3: A COMMUNITY BETTER PREPARED TO ADDRESS THE RISKS FROM NATURAL HAZARDS.

Objective / Policy / Action

S-3.1	Ensure seismic and geologic hazards are addressed to effectively protect structures and lives.
S-3.1.1	The City shall minimize the risks from landslides and debris flows.
<i>Action S-3.1.1a</i>	Work with the residents of neighborhoods affected by landslides and debris flows to develop appropriate risk abatement programs.
S-3.1.2	Require new development/ redevelopment, and major remodels to provide for analyses of site safety related to potential hazards of fault rupture, seismic shaking, liquefaction, subsidence, soil erosion, seepage, and rockfalls.
S-3.1.3	Reduce the risk of impacts from geologic and seismic hazards by applying proper development engineering, building construction, and retrofitting requirements on new developments and major redevelopments.
<i>Action S-3.1.3a</i>	Apply all restrictions and investigation requirements mandated by the State under the Alquist-Priolo Special Studies Zones Act for faults classified as "active" to development on properties crossed by or adjacent to the Malibu Coast Fault.
<i>Action S-3.1.3b</i>	Require that soils, geologic and structural evaluation reports with appropriate mitigation measures be prepared by registered soils engineers, engineering geologists, and/or structural engineers and that all recommended mitigation measures be implemented.
<i>Action S-3.1.3c</i>	To protect slope stability, restrict grading or development related vegetation clearance where the slope exceeds 2:1, except as required for fire safety, driveways and utilities and where there is no reasonable alternative.
<i>Action S-3.1.3d</i>	Ensure water efficient landscaping plans in areas of landslide susceptibility minimize deep percolation and enhance slope stability.
<i>Action S-3.1.3e</i>	Encourage research to study the effects of excessive ground water on surface erosion, earth movement, and groundwater "daylighting." Seek funding opportunities and resources to support this project including but not limited to: the Environmental Protection Agency (EPA) Water Research Grants Program, The U.S. Geological Survey (USGS) Water Resources Research Act Program, or the U.S Department of Agriculture (USDA) Conservation Innovation Grants.
S-3.1.4	Require that all city-owned and private critical facilities (hospitals/urgent care clinics, police and fire stations) be earthquake resistant designed for the effects of a maximum credible earthquake.

FLOOD HAZARDS

GOAL S-3: A COMMUNITY BETTER PREPARED TO ADDRESS THE RISKS FROM NATURAL HAZARDS.

Objective / Policy / Action

S-3.2	A community where impacts of flooding are minimized.
S-3.2.1	Require development to be consistent with minimum Federal Emergency Management Agency (FEMA) guidelines for flood plain management.
S-3.2.2	Collaborate with local/regional agencies to ensure that risks of flooding caused by upstream development are minimized.
S-3.2.3	Coordinate with the dam owners/operators and responsible jurisdictions to ensure that all dams in the Malibu watershed areas have regular safety inspections.
S-3.2.4	Encourage area residents to participate in the National Flood Insurance Program (NFIP).
<i>Action S-3.2.4a</i>	Create and hold public educational workshops providing information on flood hazards in the City and participation in the National Flood Insurance Program.

FIRE HAZARDS

GOAL S-3: A COMMUNITY BETTER PREPARED TO ADDRESS THE RISKS FROM NATURAL HAZARDS.

Objective / Policy / Action

S-3.3	A community adapted to wildfire risks and hazards .
S-3.3.1	The City shall minimize the risk of loss to life and property from wildfire by reducing wildfire vulnerability where possible.
<i>Action S-3.3.1a</i>	Continue to monitor and update the Malibu Community Wildfire Protection Plan, including the identification of fire hazards, assessing acceptable levels of cost and risk, and determining appropriate fire protection programs.
<i>Action S-3.3.1b</i>	Work with other agencies including but not limited to Los Angeles County Fire Department (Los Angeles County Fire Department), Ventura County Fire Department, and California Department of Forestry and Fire Protection (CAL FIRE), to ensure effective and efficient fire suppression, prevention and rescue services.
<i>Action S-3.3.1c</i>	Coordinate with Los Angeles County Fire Department and CAL FIRE to establish programs and guidelines for fire-safe landscaping including buffers comprised of fire resistant vegetation between residential areas and open space areas and encourage use of fire-safe landscaping principles which emphasize plant species with low fuel volumes.
<i>Action S-3.3.1d</i>	Work with the Los Angeles County Fire Department to adopt a program for controlled burning of combustible vegetation, based on the recommendations of the responsible forestry and fire-protection official.
<i>Action S-3.3.1e</i>	Work with the Los Angeles County Fire Department to enforce code requirements for flammable brush clearance, and reduction of flammable vegetation, including both native plants and ornamental landscaping.
<i>Action S-3.3.1f</i>	Work with appropriate agencies to assure sufficient stored water and consider non-monetary incentives for on-site or area-wide shared storage water suitable to meet effective firefighting standards and requirements .

<i>Action S-3.3.1g</i>	Work with Los Angeles County Fire Department to establish standards for fire-fighting equipment access suitable for Malibu.
<i>Action S-3.3.1h</i>	Develop and update as necessary an Evacuation Master Plan for the City which identifies streets available to serve as wildfire escape routes, potential hazard incidents, and criteria regarding capacity, safety, and viability.
<i>Action S-3.3.1i</i>	Coordinate with Los Angeles County Fire Department and CAL FIRE to develop guidelines and standards for all new construction and remodel structures to utilize fire-resistant building materials and designs, and, if feasible, to be sited to minimize fire hazards.
<i>Action S-3.3.1j</i>	Provide South Coast Air Quality Management District regional wind patterns maps to homeowners, architects and contractors to help them plan development siting and design that minimizes fire hazards.
<i>Action S-3.3.1k</i>	Coordinate with the Los Angeles County Fire Department to provide on-site fire safety inspections of individual homes, when requested by resident or owner, and advise homeowners on the most current programs/policies within the City and County, to help minimize fire hazards while maintaining slope stability and appropriate vegetation.
<i>Action S-3.3.1l</i>	Develop, encourage, and support volunteer neighborhood watch and arson prevention programs.
<i>Action S-3.3.1m</i>	Develop a permanent, ongoing homeowner watershed area management plan to reduce fire hazards while maintaining appropriate vegetation that will stabilize the watershed and control the flow of water from it. Application of such plan in Resource Protection Areas shall be subject to review and approval for compliance with resource protection requirements.
<i>Action S-3.3.1n</i>	Work with water service providers and Los Angeles County Fire Department, to identify neighborhoods with inadequate flow from fire hydrants, and to upgrade deteriorated and undersized water-distribution systems.
<i>Action S-3.3.1o</i>	Work with jurisdictions within the Planning Area to ensure that all public water storage facilities have an emergency power supply for their pumps, or gravity-driven water distribution systems.
<i>Action S-3.3.1p</i>	Require smoke detectors, carbon monoxide alarms, and fire sprinkler systems in all new residential developments.
<i>Action S-3.3.1fq</i>	Reassess fire hazards after wildfire events to adjust short- and long-term fire prevention and suppression needs.
<i>S-3.3.2</i>	<p>Work with the Los Angeles County Fire Department to ensure that communities address the following wildfire risk within fire hazard severity zones:</p> <ol style="list-style-type: none"> a) Identify building and site design methods or other methods to minimize damage if new structures are located in fire hazard severity zones on undeveloped land and when rebuilding after a fire. b) Require ongoing brush management to minimize the risk of structural damage or loss due to wildfires. c) Provide and maintain water supply systems to supplies for structural fire suppression. d) Provide adequate fire protection.
<i>Action S-3.3.2a</i>	Assess site constraints when considering land use designations near wildlands to avoid or minimize wildfire hazards as part of land use update or amendment.
<i>Action S-3.3.2b</i>	Establish ongoing maintenance and funding for vegetation management and brush clearance along city-maintained roads, open space areas, and fire breaks.
<i>Action S-3.3.2c</i>	Implement brush management along City maintained roads in fire hazard severity zones adjacent to open space and canyon areas.

<i>Action S-3.3.2d</i>	Maintain up-to-date maps depicting fire hazard severity zones and historical wildfire data and ensure that information is readily accessible to the public.
<i>Action S-3.3.2e</i>	Maintain access (ingress and egress) for fire apparatus vehicles along public streets in fire hazard severity zones for emergency equipment and evacuation.
S-3.3.3	Development proposed in wildfire-prone areas shall incorporate fire safe design and adhere to the latest fire safe regulations adopted by the State and City.
S-3.3.4	Require development to be located, designed, and constructed to provide adequate fire defensibility and minimize the risk of structural loss and life safety.
S-3.3.5	Require development located near ridgelines, top of slopes, saddles, or topography prone to wildfire hazards to be located and designed to account for the increased risk.
<i>Action S-3.3.5a</i>	Design developments to minimize pockets, peninsulas, or islands of flammable vegetation to reduce fire susceptibility.
S-3.3.6	Require new developments and major redevelopments to conform to contemporary fire safe standards related to road standards and vegetative hazards.
<i>Action S-3.3.6a</i>	Develop, implement, and maintain a public outreach program educating the community about contemporary fire safe standards, and wildland fire preparedness.
S-3.3.7	<p>Require all new development and redevelopment after a fire to meet current Fire Code requirements. Incorporate fire safe design into new development within fire hazard severity zones, which should include but not be limited to:</p> <ul style="list-style-type: none"> a) Locate, design and construct development to provide adequate defensibility and minimize the risk of structural and human loss from wildland fires. b) Design development on hillsides and canyons to reduce the increased risk of fires from topography features (i.e., steep slopes, bluffs, and ridge slopes). c) Administer state vegetation management requirements for new and existing developments. d) Design and maintain public and private streets for adequate fire apparatus vehicle access (ingress and egress). e) Install and maintain visible street signs, and necessary water supply for structural fire suppression. f) Provide and maintain adequate fire breaks where feasible or identify other methods to slow the movement of a wildfire in very high fire hazard severity zones. g) Ensure long-term maintenance of vegetation management activities is accounted for in budgeting and planning throughout the City. h) Areas identified as susceptible to brush or wildfire hazard, provide construction standards to reduce structural susceptibility and increase protection. In addition, require onsite detection and suppression, including automatic sprinkler systems. i) Encourage owners of non-sprinklered properties in wildland-urban interface areas and fire hazard severity zones to retrofit their buildings and include internal fire sprinklers. j) As appropriate, site and design new development to avoid the need to extend fuel modification zones into sensitive habitat, where feasible. k) Adopt, amend or maintain the Fire Hazard Severity Zone Map and applicable Wildland Urban Interface Code Standards through periodic updates and ensure alignment with City documents such as but not limited to; the Community Wildfire Protection Plan, General Plan Safety Element, and the Local Hazard Mitigation Plan. l) Incorporate all of the previous requirements into any new or updated Fire Protection Plans to maintain consistency.

S-3.3.8	Require development to provide additional access roads when necessary to provide for safe access of emergency equipment and civilian evacuation concurrently.
S-3.3.9	Require all new, remodeled, or rebuilt structures to meet current ignition resistance construction codes and establish and enforce reasonable and prudent standards that support retrofitting of existing structures in high fire threat areas.
S-3.3.10	Require new essential public facilities within fire hazard severity zones to adhere to the latest construction requirements and best management practices within fire prone areas to minimize risk to these facilities.
S-3.3.11	New development and major redevelopment located within a Fire Hazard Severity Zone shall provide a Fire Protection Plan which meets the minimum standards as required by the State of California, County of Los Angeles, and the Los Angeles County Fire Department.
S-3.3.12	Require brush clearance around structures consistent with the City of Malibu and Los Angeles County Fire Department Fire Code and California Fire Safe Regulations.
<i>Action S-3.3.12a</i>	Provide information for and encourage the removal of dead, dying, and diseased trees on developed properties.
S-3.3.13	New development near or within environmentally sensitive habitat areas and habitat buffers shall be sized, sited, and designed to minimize the impacts of fuel modification and brush clearance activities to the extent feasible
<i>Action S-3.3.13a</i>	Coordinate with neighboring jurisdictions to develop strategic fire plans focusing on fuel management/ modification within established defensible spaces, balancing structure protection with native vegetation, and sensitive habitat preservation.
S-3.3.14	Advocate and support regional coordination among fire and protection service providers to improve fire protection and maximize service levels in a fair, efficient, and cost-effective manner.
<i>Action S-3.3.14a</i>	Coordinate with local, state, and federal fire protection agencies with respect to fire suppression, rescue, mitigation, training, and education.
<i>Action S-3.3.14b</i>	Coordinate with local, state, and federal agencies to update emergency, evacuation, and hazard mitigation plans, as necessary.
<i>Action S-3.3.14c</i>	Coordinate with local, state, and federal agencies to develop emergency services training and education goals, policies, and standards
<i>Action S-3.3.14d</i>	Coordinate with local, state, and federal agencies to ensure adequate training is provided to first responders and emergency services personnel
<i>Action S-3.3.14e</i>	Coordinate with fire services providers to improve fire protection services for multi-story construction.
S-3.3.15	Require and maintain adequate setbacks, easements, and accesses, to ensure that emergency services can function.
S-3.3.16	Require all planned development and major redevelopment has adequate fire and emergency services.
<i>Action S-3.3.16a</i>	Analyze new development impacts on emergency services funding and develop new funding sources, if needed
<i>Action S-3.3.16b</i>	Coordinate with the Los Angeles County Fire Department to ensure adequate emergency services staffing, facilities, and equipment is available to serve existing and future development.
<i>Action S-3.3.16c</i>	Coordinate with Los Angeles County Fire Department to develop and periodically update an Emergency Services Master Plan that details staffing, facilities, and equipment needs. Updates should periodically assess future emergency services needs for the City.
S-3.3.17	Require adequate water supplies and infrastructure are available for current and future development.

S-3.3.18	Ensure that adequate water storage and capacity are available to meet daily demand and fire flow requirements.
S-3.3.19	Coordinate and ensure adequate infrastructure for new development related to: <ul style="list-style-type: none"> a. Water supply and fire flow. b. Location of anticipated water supply. c. Maintenance and long-term integrity of water supplies. d. Evacuation and emergency vehicle access. e. Fuel modification and defensible space. f. Vegetation clearance maintenance on public and private roads. g. Visible home and street addressing and signage.

CLIMATE ADAPTATION

GOAL S-3: A COMMUNITY BETTER PREPARED TO ADDRESS THE RISKS FROM NATURAL HAZARDS.

Objective / Policy / Action

S-3.4	A community where hazards from weather related events are minimized.
S-3.4.1	Require buildings and developments exposed to high wind conditions to incorporate design elements and features that minimize or reduce damage to people, structures, and the community.
S-3.4.2	Ensure city operations and the community are informed about heat risk during extreme heat events.
<i>Action S-3.4.2a</i>	Maintain a heat vulnerability index and use it in prioritizing capital projects and neighborhood investments.
<i>Action S-3.4.2b</i>	Operate and maintain cooling centers in underserved neighborhoods during heat emergencies and publicize their locations widely
<i>Action S-3.4.2c</i>	The city will conduct public outreach to inform residents of heat risks each summer and collaborate with local health agencies to support vulnerable populations.
S-3.4.3	Ensure new multi-family development, non-residential, and single-family residential subdivision developments shall plant street trees at appropriate intervals to increase shade and canopy cover.
S-3.4.4	Promote the use of increased shading, light colored-paving, and pervious surfaces.
S-3.4.5	Require heat mitigation plans as part of project review for all new developments, showing shading, ventilation, and surface treatment strategies
<i>Action S-3.4.5a</i>	Implementation of heat mitigation measures shall prioritize nature based solutions to improve tree cover, cooling resources, and infrastructure capacity to address extreme heat impacts.
S-3.4.6	Coordinate with utility providers to reduce blackouts and public safety power shutoff events.
<i>Action S-3.4.6a</i>	Provide timely communication regarding power constraints and public safety power shutoff events to residents and businesses.
<i>Action S-3.4.6b</i>	Explore and encourage alternative power sources and power infrastructure including micro-grids and battery backup systems.
S-3.5	A community prepared for future climate related impacts.
S-3.5.1	Support regional and subregional efforts to adapt current water supply practices in anticipation of reduced water availability due to the effects of climate change.

S-3.5.2	Collaborate with local, regional, state, and/or federal jurisdictions and agencies on climate resiliency and adaptation strategies in the city.
<i>Action S-3.5.2a</i>	Develop a climate resiliency plan that integrates and builds upon the strategies identified in the General Plan, Climate Action Plan, and Vulnerability Assessment.
S-3.5.3	Monitor climate change-related effects with local, regional, state, and/or federal partners to provide information about the effectiveness of existing infrastructure and programs within the city.
<i>Action S-3.5.3a</i>	<p>Establish a collaborative framework with partners at various levels of government and local community organizations. A comprehensive approach includes setting shared goals, collecting localized data, and regularly evaluating the effectiveness of resilience and adaptation efforts.</p> <p>Potential partners could include but not be limited to:</p> <ul style="list-style-type: none"> • Local Community-Based Organizations (CBOs), • Research and Academic Institutions, • Local Cities and Counties, • Regional Planning Organizations Like Southern California Association Of Governments (SCAG), • Governor’s Office Of Land Use And Climate Innovation (LCI), • California Department Of Public Health, • National Oceanic And Atmospheric Administration (NOAA), And • Environmental Protection Agency (EPA).
S-3.5.4	Coordinate with regional, state, and federal agencies to monitor the indicators and impacts of climate change as they relate to the city.
<i>Action S-3.5.4a</i>	<p>Monitor and periodically update the following City plans and mapping as required to include the most up to date climate adaptation resiliency strategies and information within the City:</p> <ol style="list-style-type: none"> a) Las Virgenes-Malibu Council of Governments MJHMP - to incorporate new information related to climate change, as necessary. b) The City if Malibu Climate Action Plan - focuses on climate mitigation and generally addresses climate adaptation. c) The City if Malibu Vulnerability Assessment - integrates climate adaptation and hazard mitigation information and analysis.

SHORELINE PROTECTION

GOAL S-3: A COMMUNITY BETTER PREPARED TO ADDRESS THE RISKS FROM NATURAL HAZARDS.

Objective / Policy / Action

S-3.6	A community resilient to changing coastal conditions.
S-3.6.1	Require development to provide for safety from coastal storm flooding, coastal erosion, surfacing septic effluent, sea level rise, and tsunamis.
<i>Action S-3.6.1a</i>	Design coastal development, except supporting structure, to be above the wave uprush level for storms within the past 100 years, above the 100-year flood plain, and consistent with the latest state and federal guidance and regulations regarding sea level rise.
<i>Action S-3.6.1b</i>	Complete coastal morphology studies and establish shoreline construction standards.

<i>Action S-3.6.1c</i>	Study the effects of seawalls, groins and revetments on beach erosion, consistent with the latest state and federal guidance and regulations regarding sea level rise.
<i>Action S-3.6.1d</i>	Require that proposed coastal development exposed to ocean waters, including but not limited to potentially heavy tidal or wave action, be sited landward of state-owned tidelands and be further sited so as not to cause a potential nuisance, hazard to navigation, public safety problem, or interference with the public's right in the navigable waters.
<i>Action S-3.6.1e</i>	Continue to require a coastal engineering report for all proposed revetments, seawalls, cliff retaining walls and other such construction proposed to protect existing structures to ensure that the structure is constructed utilizing the least environmentally damaging method.
S-3.6.2	Ensure the latest state and federal guidance and regulations regarding sea level rise impacts are considered during planning and development.
<i>Action S-3.6.2a</i>	Implement the recommended actions identified in the Coastal Vulnerability Assessment to address sea-level rise impacts.
S-3.6.3	Participate in a tsunami warning system.

HAZARDOUS MATERIALS AND WASTES

GOAL S-4: A COMMUNITY BETTER PROTECTED AGAINST HUMAN-CAUSED HAZARDS (HAZARDOUS MATERIALS RELEASE).

Objective / Policy / Action

S.4.1	Minimize the impact from hazardous materials and accidental release in the City.
S-4.1.1	Ensure hazardous materials release programs are up to date and effectively implemented by the City.
<i>Action S-4.1.1a</i>	Work with trash haulers and Los Angeles County Fire Department to provide for the proper collection and disposal of hazardous wastes.
<i>Action S-4.1.1b</i>	Work with Los Angeles County Fire Department to ensure compliance with the Hazardous Materials Disclosure Law.
S-4.1.2	Continue to maintain and hold the bi-monthly Malibu Roundups, a household hazardous waste (HHW) and electronic waste (E-Waste) disposal program, which enables residents to bring material to a centralized collection facility (City Hall) for proper disposal.
<i>Action S-4.2.1a</i>	Develop an informative campaign promoting Malibu Roundups, and hold educational workshops/events teaching residents and businesses of the City about the safe handling, storage, use, disposal, and alternatives to use of hazardous materials.
<i>Action S-4.2.1b</i>	Coordinate with federal, state and county resources on potential hazardous materials sites to support identification, analysis, and cleanup if needed.