

# General Plan Safety Element Assessment

## Board of Forestry and Fire Protection



August 2022

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## Purpose and Background

Upon the next revision of the housing element on or after January 1, 2014, the safety element is required to be reviewed and updated as necessary to address the risk of fire for land classified as state responsibility areas and land classified as very high fire hazard severity zones. (Gov. Code, § 65302, subd. (g)(3).)

The safety element is required to include:

- Fire hazard severity zone maps available from the Department of Forestry and Fire Protection.
- Any historical data on wildfires available from local agencies or a reference to where the data can be found.
- Information about wildfire hazard areas that may be available from the United States Geological Survey.
- The general location and distribution of existing and planned uses of land in very high fire hazard severity zones (VHFHSZs) and in state responsibility areas (SRAs), including structures, roads, utilities, and essential public facilities. The location and distribution of planned uses of land shall not require defensible space compliance measures required by state law or local ordinance to occur on publicly owned lands or open space designations of homeowner associations.
- The local, state, and federal agencies with responsibility for fire protection, including special districts and local offices of emergency services. (Gov. Code, § 65302, subd. (g)(3)(A).)

Based on that information, the safety element shall include goals, policies, and objectives that protect the community from the unreasonable risk of wildfire. (Gov. Code, § 65302, subd. (g)(3)(B).) To carry out those goals, policies, and objectives, feasible implementation measures shall be included in the safety element, which include but are not limited to:

- Avoiding or minimizing the wildfire hazards associated with new uses of land.
- Locating, when feasible, new essential public facilities outside of high fire risk areas, including, but not limited to, hospitals and health care facilities, emergency shelters, emergency command centers, and emergency communications facilities, or identifying construction methods or other methods to minimize damage if these facilities are located in the SRA or VHFHSZ.
- Designing adequate infrastructure if a new development is located in the SRA or VHFHSZ, including safe access for emergency response vehicles, visible street signs, and water supplies for structural fire suppression.
- Working cooperatively with public agencies with responsibility for fire protection. (Gov. Code, § 65302, subd. (g)(3)(C).)

The safety element shall also attach or reference any fire safety plans or other documents adopted by the city or county that fulfill the goals and objectives or contains the information required above. (Gov. Code, § 65302, subd. (g)(3)(D).) This might include Local Hazard Mitigation Plans, Unit Fire Plans, Community Wildfire Protection Plans, or other plans.

There are several reference documents developed by state agencies to assist local jurisdictions in updating their safety elements to include wildfire safety. The Fire Hazard Planning, General Plan Technical Advice Series from the Governor's Office of Planning and Research (OPR), referenced in Government Code section 65302, subdivision (g)(3) and available at

1400 Tenth Street  
Sacramento, CA 95814  
Phone: (916) 322-2318

The Technical Advice Series is also available from the OPR website ([Technical Advice Series link](#)).<sup>\*</sup> The Technical Advice Series provides policy guidance, information resources, and fire hazard planning examples from around California that shall be considered by local jurisdictions when reviewing the safety element of its general plan.

The Board of Forestry and Fire Protection (Board) utilizes this Safety Element Assessment in the Board's review of safety elements under Government Code section 65302.5. At least 90 days prior to the adoption or amendment of their safety element, counties that contain SRAs and cities or counties that contain VHFHSZs shall submit their safety element to the Board. (Gov. Code, § 65302.5, subd. (b).) The Board shall review the safety element and respond to the city or county with its findings regarding the uses of land and policies in SRAs or VHFHSZs that will protect life, property, and natural resources from

unreasonable risks associated with wildfires, and the methods and strategies for wildfire risk reduction and prevention within SRAs or VHFHSZs. (Gov. Code, § 65302.5, subd. (b)(3).)

The CAL FIRE Land Use Planning team provides expert fire protection assistance to local jurisdictions statewide. Fire captains are available to work with cities and counties to revise their safety elements and enhance their strategic fire protection planning.

## **Methodology for Review and Recommendations**

Utilizing staff from the CAL FIRE Land Use Planning team, the Board has established a standardized method to review the safety element of general plans. The methodology includes

- 1) reviewing the safety element for the requirements in Government Code section 65302, subdivision (g)(3)(A),
- 2) examining the safety element for goals, policies, objectives, and implementation measures that mitigate the wildfire risk in the planning area (Gov. Code, § 65302, subd. (g)(3)(B) & (C)), and
- 3) making recommendations for methods and strategies that would reduce the risk of wildfires (Gov. Code, § 65302.5, subd. (b)(3)(B)).

The safety element will be evaluated against the attached Assessment, which contains questions to determine if a safety element meets the fire safety planning requirements outlined in Government Code, section 65302. The reviewer will answer whether or not a submitted safety element addresses the required information, and will recommend changes to the safety element that will reduce the wildfire risk in the planning area. These recommended changes may come from the list of sample goals, policies, objectives, and implementation measures that is included in this document after the Assessment, or may be based on the reviewer's knowledge of the jurisdiction in question and their specific wildfire risk. By answering the questions in the Assessment, the reviewer will determine if the jurisdiction's safety element has adequately addressed and mitigated their wildfire risk. If it hasn't, any specific recommendations from the reviewer will assist the jurisdiction in revising the safety element so that it does.

Once completed, the Assessment should provide clear guidance to a city or county regarding any areas of deficiency in the safety element as well as specific goals, policies, objectives, and implementation measures the Board recommends adopting in order to mitigate or reduce the wildfire threat in the planning area.

## General Plan Safety Element Assessment

Jurisdiction: City of Palmdale	Notes:	CAL FIRE Unit: CSR	Date Received: 8/5/2022
County: Los Angeles	LUPP Reviewer: Merkh/Redden	UNIT CONTACT: BDU	Date Reviewed:

### BACKGROUND INFORMATION SUMMARY

The safety element must contain specific background information about fire hazards in each jurisdiction.

*Instructions for this table: Indicate whether the safety element includes the specified information. If YES, indicate in the comments where that information can be found; if NO, provide recommendations to the jurisdiction regarding how best to include that information in their revised safety element.*

Required Information	Yes or No	Comments and Recommendations
Are Fire Hazard Severity Zones Identified? <i>CAL FIRE or Locally Adopted Maps</i>	Yes	Identified. Figure 13.4. CAL FIRE adopted maps. (Page 340)
Is historical data on wildfires or a reference to where the data can be found, and information about wildfire hazard areas that may be available from the United States Geological Survey, included?	Yes	Although Palmdale has not experienced any major fire events, it should be noted that there has been two major fire events in the outlying areas of the Antelope Valley. (Page 333)
Has the general location and distribution of existing and planned uses of land in very high fire hazard severity zones (VHFHSZs) and in state responsibility areas (SRAs), including structures, roads, utilities, and essential public facilities, been identified?	Yes	Map: Figure 13.8 (Page 344)
Have local, state, and federal agencies with responsibility for fire protection, including special districts and local offices of emergency services, been identified?	Yes	City of Palmdale LHMP
Are other fire protection plans, such as Community Wildfire Protection Plans, Local Hazard Mitigation Plans, CAL FIRE Unit or Contract County Fire Plans, referenced or incorporated into the Safety Element?	Yes	SE1-5 Local Hazard Mitigation Plan. Implement the policies and mitigation strategies outlined within the Palmdale Local Hazard Mitigation Plan. (Page 346)
Are residential developments in hazard areas that do not have at least two emergency evacuation routes identified?	Yes	SE 7-3 Review Development Consistency. Review all new development for consistency with applicable evacuation plans and ensure access to at least two evacuation routes. (Page 350)
Have evacuation routes and their capacity, safety, and viability under a range of emergency scenarios been identified?	Yes	SE 7-4 Emergency Evacuation Evaluation. Continue to evaluate evacuation route capacity, safety, and viability under a range of

Required Information	Yes or No	Comments and Recommendations
		emergency scenarios. (Page 350)

Is there any other information in the Safety Element regarding fire hazards in SRAs or VHFHSZs?

# GOALS, POLICIES, OBJECTIVES, AND FEASIBLE IMPLEMENTATION MEASURES

The safety element must contain a set of goals, policies, and objectives based on the above information to protect the community from unreasonable risk of wildfire and implementation measures to accomplish those stated goals, policies, and objectives.

*Instructions for this table: Critically examine the submitted safety element and determine if it is adequate to address the jurisdiction’s unique fire hazard. Answer YES or NO appropriately for each question below. If the recommendation is irrelevant or unrelated to the jurisdiction’s fire hazard, answer N/A. For NO, provide information in the Comments/Recommendations section to help the jurisdiction incorporate that change into their safety element revision. This information may utilize example recommendations from Sample Safety Element Recommendations and Fire Hazard Planning in Other Elements of the General Plan below, may indicate how high of a priority this recommendation is for a jurisdiction, or may include other jurisdiction-specific information or recommendations.*

## Section 1 Avoiding or minimizing the wildfire hazards associated with new uses of land

Questions	Yes or No	Comments and Recommendations
Does local ordinance require development standards that meet or exceed title 14, CCR, division 1.5, chapter 7, subchapter 2, articles 1-5 (commencing with section 1270) ( <b>SRA Fire Safe Regulations</b> ) and title 14, CCR, division 1.5, chapter 7, subchapter 3, article 3 (commencing with section 1299.01) ( <b>Fire Hazard Reduction Around Buildings and Structures Regulations</b> ) for SRAs and/or VHFHSZs?	Yes	SE 2-11 Non-conforming Development Require existing non-conforming development to comply with contemporary fire safe standards during a permit or entitlement process, in terms of road standards and vegetative hazard, and meet or exceed CCR, division 1.5, chapter 7, subchapter 2, articles 1-5 requirements (SRA Fire Safe Regulations). (Page 347)
Are there goals and policies to avoid or minimize new residential development in VHFHSZs?	Yes	SE 2-3 Wildland Development. Require that developments located in VHFHSZ incorporate and enforce standards for construction, including a fuel modification program (i.e., brush clearance, planting of fire-retardant vegetation) to reduce the threat of wildfires, accounting for any increased risk related to climate change. (Page 347)
Has fire safe design been incorporated into future development requirements?	Yes	SE 10-3 Maximize Safety and Security. Through the development review process, ensure that sites are designed in order to maximize safety and security, considering such factors as visibility, lighting, emergency access, legibility of street numbers, and fencing. (Page 352)
Are new essential public facilities located outside high fire risk areas, such as VHFHSZs, when feasible?	Yes	SE 2-1 Critical Facilities. Prohibit new public or critical facilities in Very High Fire Hazard Severity

Questions	Yes or No	Comments and Recommendations
		Zones, except when other options do not exist. (Pages 347)
Are there plans or actions identified to mitigate existing non-conforming development to contemporary fire safe standards, in terms of road standards and vegetative hazard?	Yes	SE 2-11 Non-conforming Development Require existing non-conforming development to comply with contemporary fire safe standards during a permit or entitlement process, in terms of road standards and vegetative hazard, and meet or exceed CCR, division 1.5, chapter 7, subchapter 2, articles 1-5 requirements (SRA Fire Safe Regulations). (Page 347)
Does the plan include policies to evaluate re-development after a large fire?	Yes	SE 2-2 Redevelopment Compliance. After a large fire, ensure that re-development located in the in the High and Very High Fire Hazard Severity Zones complies with fire safety requirements for construction, accounting for any increased risk related to climate change. (Page 347)
Is fuel modification around homes and subdivisions required for new development in SRAs or VHFHSZs?	Yes	SE 2-5 Maintain Firesafe Zones. Require property owners to clear brush and high fuel vegetation and maintain firesafe zones (a minimum distance of 30 feet from the structure or to the property line, whichever is closer) to reduce the risk of fires. For structures located within a Very High Fire Hazard Severity Zone, the required brush clearance distance is 200 feet from structures to the property line. (Page 347)
Are fire protection plans required for new development in VHFHSZs?	Yes	SE 2-12 Fire Protection Plans. Require fire protection plans for all new development in the VHSZ. (Page 348)
Does the plan address long term maintenance of fire hazard reduction projects, including community fire breaks and private road and public road clearance?	Yes	SE 2-13 Long-term Maintenance. Continue annual brush inspections and enforce clearance requirements on public and private property within the Very High Fire Hazard Severity Zone (VHFHSZ), as dictated by CAL FIRE, in accordance with the Board of Forestry and Fire Protection Fire Safe Regulations, California Building Standards Code,



Questions	Yes or No	Comments and Recommendations
		and Palmdale Municipal Code related to ongoing maintenance of vegetation clearance on public and private roads, roadside fuel reduction plan, and defensible space clearances (including fuel breaks). (Pages 347-348)
Is there adequate access (ingress, egress) to new development in VHFHSZs?	Yes	SE 2-7 Emergency Access Routes for Wildfire Hazard Zones. Require all new development in or near designated wildfire hazard zones to identify multiple evacuation/ emergency access routes and file with City. (Page 347)
Are minimum standards for evacuation of residential areas in VHFHSZs defined?	Yes	SE 7-5 Evacuation in VHFSZ and HFSZ. Require developers proposing development on properties within VHFSZ and HFSZ areas to evaluate and provide adequate evacuation routes. (Page 351)
If areas exist with inadequate access/evacuation routes, are they identified? Are mitigation measures or improvement plans identified?	Yes	1. Most residential developments throughout the city have at least two points of ingress and egress. However, five neighborhoods, only 4 of which are currently within the City of Palmdale—developments with 30 or more homes—have only one point of access, some of which are located in the Fire Hazard Severity Zones. These are shown in Figure 13.7 Single Access Neighborhoods. (Page 335)
Are there policies or programs promoting public outreach about defensible space or evacuation routes? Are there specific plans to reach at-risk populations?	Yes	SE 9-2 Public Education. Continue and, as appropriate, update public education programs regarding response to hazards such as earthquakes, floods, hazardous material spills, and wildfire for residents, businesses, and schools. (Page 351)
Does the plan identify future water supply for fire suppression needs?	Yes	SE 2-10 Water system requirements. Require all new development to be served by a water system that meets applicable fire flow requirements. (Page 347)
Does new development have adequate fire protection?	Yes	SE 2-9 Development Requirements. As part of the city's development review process, require that all new buildings and facilities comply with Los Angeles

Questions	Yes or No	Comments and Recommendations
		County, state, and federal regulatory standards such as the California Building and Fire Codes as well as other applicable fire safety standards and work with the Fire Department to ensure the provision of adequate fire stations, personnel, and equipment to meet the City's needs over time. (Page 347)

## Section 2 Develop adequate infrastructure if a new development is located in SRAs or VHFHSZs.

Does the plan identify adequate infrastructure for new development related to:	Yes or No	Comments and Recommendations
Water supply and fire flow?	Yes	SE 2-10 Water system requirements. Require all new development to be served by a water system that meets applicable fire flow requirements (Page 347)
Location of anticipated water supply?	Yes	SE 2-14 Evaluate the location and capacity of the City's water supply availability to suppress wildfire as part of the City's Local Hazard Mitigation Plan Updates. (Page 348)
Maintenance and long-term integrity of water supplies?	Yes	The Palmdale Storm Water Management Plan (SWMP) was adopted in 2003. The Plan was prepared by the Palmdale Department of Public Works with the objective to preserve the quality of city waters, including storm water conveyances such as closed conduits, open channels, drainage basins, and dry wells. (Page 329)
Evacuation and emergency vehicle access?	Yes	SE 2-7 Emergency Access Routes for Wildfire Hazard Zones. Require all new development in or near designated wildfire hazard zones to identify multiple evacuation/emergency access routes and file with City. (Page 347)
Fuel modification and defensible space?	Yes	SE 2-5 Maintain Firesafe Zones. Require property owners to clear brush and high fuel vegetation and

Does the plan identify adequate infrastructure for new development related to:	Yes or No	Comments and Recommendations
		maintain firesafe zones (a minimum distance of 30 feet from the structure or to the property line, whichever is closer) to reduce the risk of fires. For structures located within a Very High Fire Hazard Severity Zone, the required brush clearance distance is 200 feet from structures to the property line. (Page 347)
Vegetation clearance maintenance on public and private roads?	Yes	SE 2-13 Long-term Maintenance. Continue annual brush inspections and enforce clearance requirements on public and private property within the Very High Fire Hazard Severity Zone (VHFHSZ), as dictated by CAL FIRE, in accordance with the Board of Forestry and Fire Protection Fire Safe Regulations, California Building Standards Code, and Palmdale Municipal Code related to ongoing maintenance of vegetation clearance on public and private roads, roadside fuel reduction plan, and defensible space clearances (including fuel breaks). (Page 347-348)
Visible home and street addressing and signage?	Yes	SE 10-3 Maximize Safety and Security. Through the development review process, ensure that sites are designed in order to maximize safety and security, considering such factors as visibility, lighting, emergency access, legibility of street numbers, and fencing. (Page 352)
Community fire breaks? Is there a discussion of how those fire breaks will be maintained?	Yes	SE 2-13 Long-term Maintenance. Continue annual brush inspections and enforce clearance requirements on public and private property within the Very High Fire Hazard Severity Zone (VHFHSZ), as dictated by CAL FIRE, in accordance with the Board of Forestry and Fire Protection Fire Safe Regulations, California Building Standards Code, and Palmdale Municipal Code related to ongoing maintenance of vegetation clearance on public and private roads, roadside fuel reduction plan, and

Does the plan identify adequate infrastructure for new development related to:	Yes or No	Comments and Recommendations
		defensible space clearances (including fuel breaks). (Pages 347-348)

### Section 3 Working cooperatively with public agencies responsible for fire protection.

Question	Yes or No	Comments and Recommendations
Is there a map or description of existing emergency service facilities and areas lacking service, specifically noting any areas in SRAs or VHFHSZs?	Yes	As shown in Figure 13.8, there are no public or emergency facilities located in the VHFHSZ or in the State Responsibility Areas (SRAs). (Page 333)
Does the plan include an assessment and projection of future emergency service needs?	Yes	SE-7-6 . Assess Emergency Service Needs. Continue to assess current and projected emergency service needs, and goals or standards for emergency services training for City staff and volunteers as part of the City's Emergency Operation Plan Updates. (Page 351)
Are goals or standards for emergency services training described?	Yes	SE 9-1 Palmdale Municipal Code. Ensure safe and sanitary living and working conditions throughout the City and coordinate with other agencies, including but not limited to Los Angeles County Department of Health, Los Angeles County Fire Department, and Los Angeles County Sheriff's Department to maintain the goals, standards, resources, and training. (Page 350)
Does the plan outline inter-agency preparedness coordination and mutual aid multi-agency agreements?	Yes	City of Palmdale Emergency Operations Plan 2022 (Page 329)

## Sample Safety Element Recommendations

These are examples of specific policies, objectives, or implementation measures that may be used to meet the intent of Government Code sections 65302, subdivision (g)(3) and 65302.5, subdivision (b). Safety element reviewers may make recommendations that are not included here.

### A. MAPS, PLANS AND HISTORICAL INFORMATION

1. Include or reference CAL FIRE Fire Hazard Severity Zone maps or locally adopted wildfire hazard zones.
2. Include or reference the location of historical information on wildfires in the planning area.
3. Include a map or description of the location of existing and planned land uses in SRAs and VHFHSZs, particularly habitable structures, roads, utilities, and essential public facilities.
4. Identify or reference a fire plan that is relevant to the geographic scope of the general plan, including the Unit/Contract County Fire Plan, Local Hazard Mitigation Plan, and any applicable Community Wildfire Protection Plans.
5. Align the goals, policies, objectives, and implementation measures for fire hazard mitigation in the safety element with those in existing fire plans, or make plans to update fire plans to match the safety element.
6. Create a fire plan for the planning area.

### B. LAND USE

1. Develop fire safe development codes to use as standards for fire protection for new development in SRAs or VHFHSZs that meet or exceed the statewide minimums in the SRA Fire Safe Regulations.
2. Adopt and have certified by the Board of Forestry and Fire Protection local ordinances which meet or exceed the minimum statewide standards in the SRA Fire Safe Regulations.
3. Identify existing development that do not meet or exceed the SRA Fire Safe Regulations or certified local ordinances.
4. Develop mitigation measures for existing development that does not meet or exceed the SRA Fire Safe Regulations or certified local ordinances or identify a policy to do so.

### C. FUEL MODIFICATION

1. Develop a policy to communicate vegetation clearance requirements to seasonal, absent, or vacation rental owners.
2. Identify a policy for the ongoing maintenance of vegetation clearance on public and private roads.
3. Include fuel breaks in the layout/siting of subdivisions.
4. Identify a policy for the ongoing maintenance of existing or proposed fuel breaks.
5. Identify and/or map existing development that does not conform to current state and/or locally adopted fire safety standards for access, water supply and fire flow, signing, and vegetation clearance in SRAs or VHFHSZs.
6. Identify plans and actions for existing non-conforming development to be improved or mitigated to meet current state and/or locally adopted fire safety standards for access, water supply and fire flow, signing, and vegetation clearance.

## D. ACCESS

1. Develop a policy that approval of parcel maps and tentative maps in SRAs or VHFHSZs is conditional based on meeting the SRA Fire Safe Regulations and the Fire Hazard Reduction Around Buildings and Structures Regulations, particularly those regarding road standards for ingress, egress, and fire equipment access. (See Gov. Code, § 66474.02.)
2. Develop a policy that development will be prioritized in areas with an adequate road network and associated infrastructure.
3. Identify multi-family housing, group homes, or other community housing in SRAs or VHFHSZs and develop a policy to create evacuation or shelter in place plans.
4. Include a policy to develop pre-plans for fire risk areas that address civilian evacuation and to effectively communicate those plans.
5. Identify road networks in SRAs or VHFHSZs that do not meet title 14, CCR, division 1.5, chapter 7, subchapter 2, articles 2 and 3 (commencing with section 1273.00) or certified local ordinance and develop a policy to examine possible mitigations.

## E. FIRE PROTECTION

1. Develop a policy that development will be prioritized in areas with adequate water supply infrastructure.
2. Plan for the ongoing maintenance and long-term integrity of planned and existing water supply infrastructure.
3. Map existing emergency service facilities and note any areas lacking service, especially in SRAs or VHFHSZs.
4. Project future emergency service needs for the planned land uses.
5. Include information about emergency service trainings or standards and plans to meet or maintain them.
6. Include information about inter-agency preparedness coordination or mutual aid agreements.

## **Fire Hazard Planning in Other Elements of the General Plan**

When updating the General Plan, here are some ways to incorporate fire hazard planning into other elements. Wildfire safety is best accomplished by holistic, strategic fire planning that takes advantage of opportunities to align priorities and implementation measures within and across plans.

### **LAND USE ELEMENT**

Goals and policies include mitigation of fire hazard for future development or limit development in very high fire hazard severity zones.

Disclose wildland urban-interface hazards, including fire hazard severity zones, and/or other vulnerable areas as determined by CAL FIRE or local fire agency.

Design and locate new development to provide adequate infrastructure for the safe ingress of emergency response vehicles and simultaneously allow citizen egress during emergencies.

Describe or map any Firewise Communities or other fire safe communities as determined by the National Fire Protection Association, Fire Safe Council, or other organization.

### **HOUSING ELEMENT**

Incorporation of current fire safe building codes.

Identify and mitigate substandard fire safe housing and neighborhoods relative to fire hazard severity zones.

Consider diverse occupancies and their effects on wildfire protection (group housing, seasonal populations, transit-dependent, etc).

### **OPEN SPACE AND CONSERVATION ELEMENTS**

Identify critical natural resource values relative to fire hazard severity zones.

Include resource management activities to enhance protection of open space and natural resource values.

Integrate open space into fire safety planning and effectiveness.

Mitigation for unique pest, disease and other forest health issues leading to hazardous situations.

### **CIRCULATION ELEMENT**

Provide adequate access to very high fire hazard severity zones.

Develop standards for evacuation of residential areas in very high fire hazard severity zones.

Incorporate a policy that provides for a fuel reduction maintenance program along roadways.