# General Plan Safety Element Assessment

# Board of Forestry and Fire Protection



June 2020

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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,  $\S$  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**).\* 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.

2 RPC 4(c)(i)

# **General Plan Safety Element Assessment**

| Jurisdiction: Monrovia     | Notes: 2021 2nd Informal Review | CAL FIRE Unit: BDU    | Date Received:          |
|----------------------------|---------------------------------|-----------------------|-------------------------|
| County: Los Angeles County | LUPP Reviewer: Shelley Redden   | UNIT CONTACT: Janssen | Date Reviewed:12/1/2021 |

## **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.

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| Required Information                                   | Yes or No | Comments and Recommendations                         |
|--|-----------|--|
| Have evacuation routes and their capacity, safety, and | Yes       | Policy 3.1.4, Pg. 26: Ensure the roadway system      |
| viability under a range of emergency scenarios been    |           | provides adequate capacity to provide for            |
| identified?  |           | emergency service provision and emergency            |
|  |           | evacuations.   |
|  |           | Action 3.14.2, Pg.27: Conduct a survey of public     |
|  |           | and private streets to determine those that lack two |
|  |           | means of ingress and egress. Identify measures to    |
|  |           | mitigate the single access issue. Prioritize the     |
|  |           | planning for and the construction of or the          |
|  |           | redevelopment of single access roadways within the   |
|  |           | VHFSZ.   |
|  |           | Figure 7, page 23.                                   |

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

N/A

## 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   | minimizina th | e wildfire | hazards associated | l with new            | uses of land  |
|-----------|---------------|---------------|------------|--------------------|-----------------------|---------------|
|           | Attoruning or |               | C WIIGHT   | mazaras associated | 4 W   C             W | acco of falla |

| 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) (SRA Fire Safe Regulations) and title 14, CCR, division 1.5, chapter 7, subchapter 3, article 3 (commencing with section 1299.01) (Fire Hazard Reduction Around Buildings and Structures Regulations) for SRAs and/or VHFHSZs? | Yes       | Action 3.1.1.4, Pg. 25: Continue to enforce the following ordinances promoting fire prevention: -Continue to adopt, implement, and require new structures to incorporate latest California Building Code, California Fire Code (including a minimum of 40-foot right-of-way and a grade less than six percent to ensure adequate access for fire emergencies), Government Code sections 51175 and 51189 related to VHFSZ, and Board of Forestry and Fire Protection Fire Safe Regulations, among others. |
| Are there goals and policies to avoid or minimize new residential development in VHFHSZs?   | Yes       | Action 3.1.1.14, Pg.26: Ensure new and existing development located within the Very High Fire Severity Zone (VHFSZ) is designed to implement fire prevention measures.  Action 3.1.1.9, Pg.26: Avoid, if possible, or minimize new residential development in the VHFSZ.   |
| Has fire safe design been incorporated into future development requirements?  | Yes       | Action 3.1.1.4, Pg. 25: Continue to enforce the following ordinances promoting fire prevention: -Continue to adopt, implement, and require new structures to incorporate latest California Building Code, California Fire Code (including a minimum of 40-foot right-of-way and a grade less than six percent to ensure adequate access for fire emergencies), Government Code sections 51175 and 51189 related to VHFSZ, and Board of Forestry and Fire Protection Fire Safe Regulations, among others. |
| Are new essential public facilities located outside high fire risk areas, such as VHFHSZs, when feasible?   | Yes       | Action 3.1.1.11, Pg. 25: Require all new essential   |

| Questions  | Yes or No | Comments and Recommendations   |
|--|-----------|--|
|  |           | public facilities be sited outside of the VHFSZ, when feasible.  |
| 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       | Action 3.1.1.7, Pg. 25: Identify all development that does not comply with current fire safety standards, in terms of road standards and vegetative hazard; establish and implement a mitigation plan to remedy the noncompliance.   |
| Does the plan include policies to evaluate redevelopment after a large fire?   | Yes       | Policy 3.1.2, Pg. 26: Continue to allow structures and infrastructures located in the VHFSZ to be rebuilt or redeveloped, after a large fire, in accordance with the Building and Fire Codes in place at the time of the rebuilding.   |
| Is fuel modification around homes and subdivisions required for new development in SRAs or VHFHSZs?  | Yes       | Policy 3.1.1.15, Pg.26: Require new development within the VHFSZ provide a pre-plan, which includes:  location and direction of evacuation routes,  at least two points of ingress and egress,  maintenance of defensible space clearances around structures and subdivisions,  provision and maintenance of fuel breaks, and  provision and maintenance of roadside fuel reduction plan to prevent fires along public roads, and  a fire resistive vegetation landscape plan. |
| Are fire protection plans required for new development in VHFHSZs?   | Yes       | Policy 3.1.1.5, Pg.26: Require new development within the VHFSZ provide a pre-plan, which includes:  location and direction of evacuation routes,  at least two points of ingress and egress,  maintenance of defensible space clearances around structures and subdivisions,  provision and maintenance of fuel breaks, and provision and maintenance of roadside fuel reduction plan to prevent fires along public roads, and  |

| Questions  | Yes or No | Comments and Recommendations  |
|--|-----------|---|
|  |           | a fire resistive vegetation landscape plan.   |
| Does the plan address long term maintenance of fire hazard reduction projects, including community fire breaks and private road and public road clearance? | Yes       | Action 3.1.5.1, Pg.27: Maintain or require the maintenance of fire hazard reduction projects, including but not limited to community fire breaks, private road clearance, and public road clearance. Action 3.1.5.2, Pg. 27: Regularly assess the effectiveness, and modify as appropriate, the City's SAFE Landscaping materials and Community Wildfire Protection Plan. |
|  | Yes       | Action 3.1.1.12, Pg. 25: Require new development within the VHFSZ provide a pre-plan, which includes:   |
|  |           | location and direction of evacuation routes,  |
|  |           | at least two points of ingress and egress,  |
|  |           | maintenance of defensible space clearances around structures and subdivisions,  |
| Is there adequate access (ingress, egress) to new development in VHFHSZs?  |           | provision and maintenance of fuel breaks, and   |
| development in vitir 1525?   |           | provision and maintenance of roadside fuel reduction plan to prevent fires along public roads, and  |
|  |           | a fire resistive vegetation landscape plan.   |
|  |           | Action 3.1.1.13, Pg. 25: Require all new and redevelopment occurring within the VHFSZ be designed, constructed, and maintained in accordance with the latest building and fire codes.   |
| Are minimum standards for evacuation of residential areas in VHFHSZs defined?  | Yes       | Action 3.1.4.3, Pg.27: Periodically evaluate access roads to ensure there is sufficient capacity to provide the safe access of emergency equipment and civilian evacuation.  Action 3.1.4.1, Pg.27: Regularly update emergency evacuation plans and routes for the VHFSZ areas.   |

| Questions  | Yes or No | Comments and Recommendations   |
|--|-----------|--|
| If areas exist with inadequate access/evacuation routes, are they identified? Are mitigation measures or improvement plans identified?                       | Yes       | Action 3.1.4.2, Pg.27: Conduct a survey of public and private streets to determine those that lack two means of ingress and egress. Identify measures to mitigate the single access.   |
| Are there policies or programs promoting public outreach about defensible space or evacuation routes? Are there specific plans to reach at-risk populations? | Yes       | Action 3.1.6.2, Pg.28: Regularly assess the effectiveness, and update as appropriate, the City's MONROVIA RED (Rescue for Elderly and Disabled) REGISTRATION program at identifying and noting the location of Monrovia's at-risk populations. |
| Does the plan identify future water supply for fire suppression needs?   | Yes       | Action 3.1.3.3, Pg.27: Ensure or install fire protection water systems for all new construction projects in the VHFSZ, including the installation of fire hydrants providing adequate water flow, fire sprinklers or suppression systems.      |
| Does new development have adequate fire protection?  | Yes       | Action 3.1.6.1, Pg.27: Regularly assess that emergency response services (including Fire and Police) are adequate to combat structural and wildland fires and to direct emergency evacuations.   |

# 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       | Action 3.1.3.3, Pg.27: Ensure or install fire protection water systems for all new construction projects in the VHFSZ, including the installation of fire hydrants providing adequate water flow, fire sprinklers or suppression systems.                                   |
| Location of anticipated water supply?  | Yes       | Policy 3.1.3, Pg.26: Ensure Monrovia's water supply and distribution system is adequate and appropriate to facilitate fire suppression.  Action 3.1.1.2, Pg. 23: Require new development to be located in areas with adequate water supply and water supply infrastructure. |
| Maintenance and long-term integrity of water supplies?                         | Yes       | Policy 3.1.3, Pg. 26: Ensure Monrovia's water supply and distribution system is adequate and appropriate to facilitate fire suppression. Action   |

| Does the plan identify adequate infrastructure for new development related to:            | Yes or No | Comments and Recommendations   |
|---|-----------|--|
|   |           | 3.1.1.2, Pg. 23: Require new development to be located in areas with adequate water supply and water supply infrastructure.  |
| Evacuation and emergency vehicle access?  | Yes       | Action 3.1.4.3, Pg.27: Periodically evaluate access roads to ensure there is sufficient capacity to provide the safe access of emergency equipment and civilian evacuation concurrently.   |
| Fuel modification and defensible space?   | Yes       | Action 3.1.5.1, Pg.27: Maintain or require the maintenance of fire hazard reduction projects, including but not limited to community fire breaks, private road clearance, and public road clearance. Action 3.1.1.3, Pg.24: Continue to implement the California Building and California Fire Codes, as well as the following policies and standards for hillside development:  - Flammable chaparral, excluding mature trees, on a lot within 200 feet of a home, shall be cleared, maintained, and replaced with vegetation to minimize fire hazard. |
| Vegetation clearance maintenance on public and private roads?                             | Yes       | Action 3.1.5.1, Pg.27: Maintain or require the maintenance of fire hazard reduction projects, including but not limited to community fire breaks, private road clearance, and public road clearance.   |
| Visible home and street addressing and signage?   | Yes       | Action 3.1.1.6, Pg.25: Update zoning and/or building code to require residential and nonresidential structures have street numbers (and street name, as appropriate) visible from public and private roadways and alleys.  |
| Community fire breaks? Is there a discussion of how those fire breaks will be maintained? | Yes       | Action 3.1.5.1, Pg.257Maintain or require the maintenance of fire hazard reduction projects, including but not limited to community fire breaks, private road clearance, and public road clearance. Action 3.1.5.2, Pg. 27: Regularly assess the effectiveness, and modify as appropriate, the City's SAFE Landscaping materials and Community Wildfire Protection Plan.   |

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       | Figure 9: Fire Station Service Areas (Page 39)   |
| Does the plan include an assessment and projection of future emergency service needs?   | Yes       | Action 3.1.6.4:m Pg.27: Regularly assess and project future emergency response needs and create implementation programs and actions to address the identified needs.   |
| Are goals or standards for emergency services training described?   | Yes       | Emergency Response, Fire Department Firefighting Resources "To keep mutual aid operations at maximum efficiency, multi-city (quarterly training activity is conducted with the City of Arcadia), multi-company drills were conducted to test communications and the ability of firefighters from seven different cities to function together." (Page 36) Action 3.1.6.3, Pg.28: Continue to coordinate with cities of Sierra Madre, Arcadia, Azusa, and Duarte; Los Angeles County, and other emergency response agencies to provide for mutual aid in the prevention and response services. |
| Does the plan outline inter-agency preparedness coordination and mutual aid multi-agency agreements?  | Yes       | Emergency Response, Fire Department Firefighting Resources "To keep mutual aid operations at maximum efficiency, multi-city (quarterly training activity is conducted with the City of Arcadia), multi-company drills were conducted to test communications and the ability of firefighters from seven different cities to function together." (Page 36) Action 3.1.6.3, Pg.28: Continue to coordinate with cities of Sierra Madre, Arcadia, Azusa, and Duarte; Los Angeles County, and other emergency response agencies to provide for mutual aid in the prevention and response services. |

10 RPC 4(c)(i)

### **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.

12 RPC 4(c)(i)

## 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.