

# Safety & Security Section

## Hazards Element

The massive scale of the county's geography and the complexity of its economy and socioeconomics exposes people, buildings, and facilities to a wide range of natural (wild fires, flooding, geologic activity, and wind) and human-generated hazards (hazardous materials, airports, and noise). Reducing the risks associated with such hazards improves real and perceived senses of safety, providing the county with a higher quality of life and spurring continuous investment and improvement of the county's communities, businesses, and natural areas.

The County is committed to protecting life, property, and commerce from impacts associated with natural hazards, human-generated hazards, and increased risk due to climate change. The County also works to ensure that residents in unincorporated disadvantaged communities have a reduced risk of exposure to pollution and have equitable access to public facilities and services. Effectively reducing these risks requires the County and its partners to evaluate public safety threats, proactively plan and protect against potential hazards, and establish systems that will make the county and its people safer and more self-reliant.

## Purpose

- The Hazards Element:
- Identifies potential natural and human-generated hazards, including increased risk due to climate change.
- Provides direction to address risks to residents, businesses, workers, and visitors.
- Prioritizes resources and reduce pollution exposure in unincorporated disadvantaged communities.

## Principles

We believe:

- A safe environment is necessary to build and maintain a sustainable and prosperous county.
- The County is proactive in lessening risks from natural and human-generated hazards.
- Reduction in the loss of life, injury, private property damage, infrastructure damage, economic losses, and social dislocation can be achieved through planning and preparedness.
- Emergency response and recovery efforts contribute to a resilient county, given unavoidable emergencies and natural disasters.

- Those who live in unincorporated disadvantaged communities should not be burdened with elevated exposure to pollution risks and reduced access to public facilities and services.

## Goals & Policies

### Goal HZ-1 Natural Environmental Hazards

**Minimized risk of injury, loss of life, property damage, and economic and social disruption caused by natural environmental hazards and adaptation to potential changes in climate.**

Policy HZ-1.1 **New subdivisions in environmental hazard areas.** We require all lots and parcels created through new subdivisions to have sufficient buildable area outside of the following environmental hazard areas:

- Flood: 100-year flood zone, dam/basin inundation area
- Geologic: Alquist Priolo earthquake fault zone; County-identified fault zone; rockfall/debris-flow hazard area, existing and County-identified landslide area

Policy HZ-1.2 **New development in environmental hazard areas.** We require all new development to be located outside of the environmental hazard areas listed below. For any lot or parcel that does not have sufficient buildable area outside of such hazard areas, we require adequate mitigation, including designs that allow occupants to shelter in place and to have sufficient time to evacuate during times of extreme weather and natural disasters.

- Flood: 100-year flood zone, dam/basin inundation area
- Geologic: Alquist Priolo earthquake fault zone; County-identified fault zone; rockfall/debris-flow hazard area, medium or high liquefaction area (low to high and localized), existing and County-identified landslide area, moderate to high landslide susceptibility area)
- Fire: high or very high fire hazard severity zone

Policy HZ-1.3 **Floodplain mapping.** We require any new lots or subdivisions partially in, and any new development partially or entirely in 100-year flood zones or 100-year flood awareness areas to provide detail floodplain mapping for 100- and 200-year storm events as part of the development approval process.

Policy HZ-1.4 **500-year flood zone.** We may collaborate with property owners in the Valley region to establish funding and financing mechanisms to mitigate flood hazards in identified 500-year flood zones.

Policy HZ-1.5 **Existing properties in environmental hazard areas.** We encourage owners of existing properties in hazard areas to add design features that allow occupants to shelter in place and to have sufficient time to evacuate during times of extreme weather and natural disasters.

Policy HZ-1.6 **Critical and essential facility location.** We require new critical and essential facilities to be located outside of hazard areas, whenever feasible.

- Policy HZ-1.7 **Underground utilities.** We require that underground utilities be designed to withstand seismic forces, accommodate ground settlement, and hardened to fire risk.
- Policy HZ-1.8 **Wind erosion hazards.** We require new development in medium-high or high wind erosion hazard areas to minimize the effects of wind-blown soil through building and site design features such as fencing, surface treatment or pavement, attenuation or wind barriers, architectural features, building materials, and drought resistant landscaping.
- Policy HZ-1.9 **Hazard areas maintained as open space.** We minimize risk associated with flood, geologic, and fire hazard zones or areas by encouraging such areas to be preserved and maintained as open space.
- Policy HZ-1.10 **Energy independence.** We encourage new residential development to include rooftop solar energy systems and battery storage systems that can provide backup electrical service during temporary power outages.
- Policy HZ-1.11 **Energy efficiency retrofits.** We encourage owners of existing residential and commercial properties to retrofit the walls, doors, windows, ceilings, roofs, ductwork, and other elements of their building envelopes, in order to improve energy efficiency and better protect occupants from extreme temperatures.
- Policy HZ-1.12 **Local hazard mitigation plan implementation.** We require adherence to the goals, objectives and actions in the Multi-jurisdictional Hazard Mitigation Plan and subsequent amendments to reduce and mitigate damages from hazards in the county.
- Policy HZ-1.13 **Fire protection planning.** We require that all new development in County-designated Fire Safety Overlay and/or CalFIRE-designated Very High Fire Hazard Severity Zones meet the requirements of the California Fire Code and the California Building Code as amended by the County Fire Protection District, including Title 14 of the California Code of Regulations fire safety requirements for any new development within State Responsibility Areas, as well as provide and maintain a Fire Protection Plan or Defensible Space/Fuel Modification Plan and other pre-planning measures in accordance with the County Code of Ordinances.
- Policy HZ-1.14 **Long-term fire hazard reduction and abatement.** We require proactive vegetation management/hazard abatement to reduce fire hazards on existing private properties, along roadsides of evacuation routes out of wildfire prone areas, and other private/public land where applicable, and we require new development to enter into a long-term maintenance agreement for vegetation management in defensible space, fuel modification, and roadside fuel reduction in the Fire Safety Overlay and/or Very High Fire Hazard Severity Zones.
- Policy HZ-1.15 **Evacuation route adequacy.** We coordinate with CAL FIRE, California's Office of Emergency Services, and other local fire districts to identify strategies that ensure the maintenance and reliability of evacuation routes potentially compromised by wildfire, including emergency evacuation and supply transportation routes.

## Goal HZ-2 Human-generated Hazards

**People and the natural environment protected from exposure to hazardous materials, excessive noise, and other human-generated hazards.**

- Policy HZ-2.1 **Hazardous waste facilities.** We regulate and buffer hazardous waste facilities to protect public health and avoid impacts on the natural environment.
- Policy HZ-2.2 **Database of hazardous materials.** We maintain up-to-date databases of the storage, use, and production of hazardous materials, based on federally- and state-required disclosure and notification, to appropriately respond to potential emergencies.
- Policy HZ-2.3 **Safer alternatives.** We minimize the use of hazardous materials by choosing and by encouraging others to use non-toxic alternatives that do not pose a threat to the environment.
- Policy HZ-2.4 **Truck routes for hazardous materials.** We designate truck routes for the transportation of hazardous materials through unincorporated areas and prohibit routes that pass through residential neighborhoods to the maximum extent feasible.
- Policy HZ-2.5 **Community education.** We engage with residents and businesses to promote safe practices related to the use, storage, transportation, and disposal of hazardous materials.
- Policy HZ-2.6 **Coordination with transportation authorities.** We collaborate with airport owners, FAA, Caltrans, SBCTA, SCAG, neighboring jurisdictions, and other transportation providers in the preparation and maintenance of, and updates to transportation-related plans and projects to minimize noise impacts and provide appropriate mitigation measures.
- Policy HZ-2.7 **Truck delivery areas.** We encourage truck delivery areas to be located away from residential properties and require associated noise impacts to be mitigated.
- Policy HZ-2.8 **Proximity to noise generating uses.** We limit or restrict new noise sensitive land uses in proximity to existing conforming noise generating uses and planned industrial areas.
- Policy HZ-2.9 **Control sound at the source.** We prioritize noise mitigation measures that control sound at the source before buffers, soundwalls, and other perimeter measures.
- Policy HZ-2.10 **Agricultural operations.** We require new development adjacent to existing conforming agricultural operations to provide adequate buffers to reduce the exposure of new development to operational noise, odor, and the storage or application of pesticides or other hazardous materials.
- Policy HZ-2.11 **Legacy abandoned mine lands.** We inventory legacy abandoned mines and require private property owners to eliminate hazardous conditions that could threaten human life and environmental contamination. We obtain funding to address legacy abandoned mines on County-owned property.

**Goal HZ-3 Environmental Justice**

**For unincorporated environmental justice focus areas, equitable levels of protection from environmental and health hazards; expanded opportunities for physical activity and meaningful civic engagement; and access to healthy food, public facilities, safe and sanitary housing.**

- Policy HZ-3.1 **Health risk assessment.** We require projects processed by the County to provide a health risk assessment when a project could potentially increase the incremental cancer risk by 10 in 1 million or more in unincorporated environmental justice focus areas, and we require such assessments to evaluate impacts of truck traffic from the project to freeways. We establish appropriate mitigation prior to the approval of new construction, rehabilitation, or expansion permits.
- Policy HZ-3.2 **Studying and monitoring.** We coordinate with state and regional regulatory entities to monitor pollution exposure, publicize pollution data, and identify solutions in unincorporated environmental justice focus areas. We work with state and regional regulatory entities to obtain grant funding to study cumulative health risks affecting such areas.
- Policy HZ-3.3 **Community emissions reduction plans.** We assist the air quality management districts in establishing community emissions reduction plans for unincorporated environmental justice focus areas and implement, as feasible, those parts of the plans, that are within the jurisdiction and authority of the County, with particular emphasis in addressing the types of pollution identified in the Hazard Element tables.
- Policy HZ-3.4 **Residential improvements.** In directing discretionary housing improvements investments in unincorporated communities, we prioritize investments that also address environmental conditions identified in the Hazard Element tables. We utilize code enforcement activities to enhance structural safety and property maintenance in environmental justice focus areas.
- Policy HZ-3.5 **Hazardous waste facilities.** We do not permit new hazardous waste facilities to be developed in unincorporated environmental justice focus areas.
- Policy HZ-3.6 **Contaminated water and soils.** We advocate for and coordinate with local and regional agencies in efforts to remediate or treat contaminated surface water, groundwater, or soils in or affecting unincorporated environmental justice focus areas. We obtain grant funding and establish partnerships to implement the County's Site Remediation Program in unincorporated environmental justice focus areas, with particular emphasis in addressing the types of contamination identified in the Hazard Element tables.
- Policy HZ-3.7 **Well water testing.** In unincorporated environmental justice focus areas that are not served by public water systems, we periodically test well water for contamination, identify potential funding sources, and, where feasible, provide technical assistance to implement necessary improvements, with particular emphasis in addressing the types of contamination identified in the Hazard Element tables.
- Policy HZ-3.8 **Indoor air quality.** We educate and raise awareness in unincorporated environmental justice focus areas about indoor air quality, and we pursue grant funding to address asthma and other respiratory illnesses.

- Policy HZ-3.9 **Public improvements and services.** In directing discretionary investments in County-provided public facilities, infrastructure, and services in unincorporated communities, we prioritize investments that also address environmental conditions identified in the Hazard Element tables.
- Policy HZ-3.10 **Multi-use facilities.** We emphasize coordination efforts for joint use of public and private recreation facilities serving unincorporated environmental justice focus areas. We encourage that newly constructed or substantially remodeled public facilities serving unincorporated environmental justice focus areas be assessed and designed for features and spaces that improve the community's access to physical activity and/or healthy food options, as feasible and appropriate to the needs of the community.
- Policy HZ-3.11 **Public Health.** We utilize County Department of Public Health experience, expertise, and staffing resources to expand outreach, analysis, and implementation efforts in unincorporated environmental justice focus areas, with particular emphasis in addressing the types of health concerns identified in the Hazard Element tables.
- Policy HZ-3.12 **Barriers to physical activity.** We identify and include appropriate remedies to improve or remove, where feasible, barriers to outdoor physical activity, such as inadequate infrastructure, when doing County projects in environmental justice focus areas, with particular emphasis in addressing the types of health and mobility issues identified in the Hazard Element tables.
- Policy HZ-3.13 **Safe routes to school.** We work with our regional transportation authority, school districts and local law enforcement to ensure that schools have safe walking and bicycling routes to school. In applying for Safe Routes to School grants, we will prioritize schools that are either located in the environmental justice focus areas, or serve children residing in environmental justice focus areas.
- Policy HZ-3.14 **Community-desired improvements.** We assist unincorporated environmental justice focus areas to identify ways in which they might establish special funding and financing mechanisms to provide community-desired public facilities and services, recreational facilities, sidewalks and bike trails, and access to fresh and healthy food.
- Policy HZ-3.15 **Food access.** We increase access to healthy food in underserved areas by promoting local food production, community gardens, and urban farms in agricultural zoning districts or on vacant or underutilized lands. We also encourage existing and new small grocery or convenience stores to sell fresh foods in underserved areas. We require the County Healthy Communities Program to prioritize environmental justice communities for technical assistance and grant making, and ensure that residents of environmental justice communities are provided educational materials related to food assistance programs, healthy eating habits and food choices.
- Policy HZ-3.16 **Notification.** We notify the public through the County website when applications are accepted for conditional use permits, changes in zoning, and Policy Plan amendments in or adjacent to environmental justice focus areas. We prepare public notices in the predominant language(s) spoken in the communities containing environmental justice focus areas.

- Policy HZ-3.17 **Community stakeholders.** We identify and coordinate with key community stakeholders through advisory committees or other methods to increase public awareness and obtain timely community input concerning potential funding opportunities, conditional use permits, changes in zoning, and amendments to the Policy Plan in or adjacent to environmental justice focus areas.
- Policy HZ-3.18 **Application requirements.** In order for a Planning Project Application (excluding Minor Use Permits) to be deemed complete, we require applicants to indicate whether the project is within or adjacent to an unincorporated environmental justice focus area and, if so, to:
- document to the County’s satisfaction how an applicant will address environmental justice concerns potentially created by the project; and
  - present a plan to conduct at least one public meeting for nearby residents, businesses, and property owners to obtain public input for applications involving a change in zoning or the Policy Plan. The County will require additional public outreach if the proposed project changes substantively in use, scale, or intensity from the proposed project presented at previous public outreach meeting(s).
- Policy HZ-3.19 **Community education.** We make educational materials available to the public in unincorporated environmental justice focus areas so that they clearly understand the potential for adverse pollution, noise, odor, vibration, and lighting and glare, and the effects of toxic materials to promote civil engagement. We require that such educational materials be developed in accordance with Plain Language Guidelines.
- Policy HZ-3.20 **Updating EJFAs.** We update the assessment of boundaries, issues, policies, objectives, and implementation strategies regarding environmental justice focus areas subsequent to updates in CalEnviroScreen, equivalent state tools, or as the County deems necessary.
- Policy HZ-3.21 **Emerging pollutants.** For pollutants that do not yet have established regulatory thresholds, we coordinate with regulatory agencies to assist their efforts to monitor pollutant levels, establish thresholds, and identify funding and mitigation options, particularly for pollutants that are found in environmental justice focus areas.

**Table HZ-1. CalEnviroScreen Scores for Environmental Justice Focus Areas**

CES Rankings		Quartile 1 = Good	Quartile 2 = Moderate	Quartile 3 = Poor	Quartile 4 = Challenged	
Variables/Factors in the CES model:						
POLLUTION EXPOSURE		ENVIRONMENTAL EFFECTS		SENSITIVE POPULATION		SOCIOECONOMIC FACTORS
AQ = Air Quality		CS = Toxic Cleanup Sites		AS = Asthma		LI = Linguistic Isolation
PEST = Pesticides		GW: Groundwater Threats		LB = Low Birth Weight		POV = Poverty
DW = Drinking Water		HZ = Hazardous Waste		CVD = Heart Disease		UE = Unemployment
TR = Toxic Releases		IW = Impaired Waters				HB = Housing Burden
TD = Traffic Density		SW = Solid Waste Sites/Facilities				ED = Educational Attainment
Census Tract	Low Income	Percentile and Quartile Rank			Scores in the Upper Quartile	
		Composite Score	Pollution Score	Population Score	Pollution Factors	Population Factors
<b>El Mirage Valley</b>						
6071009117	Yes	92	63	99	AQ, DW, CS, HW	AS, LB, CVD, ED, POV, UE, HB
<b>North High Desert</b>						
6071009300 Barstow	Yes	88	62	95	AQ, DW	AS, LB, CVD, POV, ED, UE
6071010300 Daggett/ Newberry Springs/Baker	Yes	77	67	75	AQ, DW, CS GW, HW, SW	LB, UE
<b>Mountain Communities</b>						
6071010802 Crest Forest	No	78	60	81	AQ, DW, SW	AS, CVD, UE
<b>Bloomington-Colton</b>						
6071003606	Yes	83	81	74	AQ, DW, TD, HZ	ED, POV, UE, HB
6071004001	Yes	86	91	68	AQ, TD, HZ	ED, UE
6071004003	Yes	98	97	86	AQ, DW, GW, HZ, SW	LB, ED, POV, UE, LI
6071004004	Yes	98	100	78	AQ, DW, TD, CS, GW, HZ, SW	LB, ED, POV, UE
6071003302	Yes	85	88	70	AQ, DW, TR, TD	LB, ED, LI, POV, UE
6071006601	Yes	95	80	97	AQ, DW, TD	AS, LB, CVD, ED, LI, POV, UE
<b>Muscoy-San Bernardino</b>						
6071004104	Yes	98	91	96	AQ, DW, CS	AS, CVD, ED, POV, UE
6071004101	Yes	93	85	89	AQ, DW, CS, TR	
6071004103	Yes	95	84	95	AQ, DW, CS	
<b>Valley Unincorporated Islands: Chino-Montclair</b>						
6071000303	Yes	94	97	74	AQ, DW, TR, CS HZ, SW	ED, LI, POV
6071000403	No	78	95	52	AQ, DW, TR, HZ, SW	LB, CVD



**Table HZ-1. CalEnviroScreen Scores for Environmental Justice Focus Areas**

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Variables/Factors in the CES model:											
POLLUTION EXPOSURE			ENVIRONMENTAL EFFECTS			SENSITIVE POPULATION			SOCIOECONOMIC FACTORS		
AQ = Air Quality			CS = Toxic Cleanup Sites			AS = Asthma			LI = Linguistic Isolation		
PEST = Pesticides			GW: Groundwater Threats			LB = Low Birth Weight			POV = Poverty		
DW = Drinking Water			HZ = Hazardous Waste			CVD = Heart Disease			UE = Unemployment		
TR = Toxic Releases			IW = Impaired Waters						HB = Housing Burden		
TD = Traffic Density			SW = Solid Waste Sites/Facilities						ED = Educational Attainment		
Census Tract	Low Income	Percentile and Quartile Rank			Scores in the Upper Quartile						
		Composite Score	Pollution Score	Population Score	Pollution Factors	Population Factors					
<b>Valley Unincorporated Islands: Western Fontana</b>											
6071002402	Yes	92	77	93	AQ, TR, SW	AS, CVD, ED, PO, UE, HB, LI					
6071002204	Yes	98	98	87	AQ, TR, CS, HZ, SW	AS, CVD, ED, LB					
6071002501	No	99	99	90	AQ, TR, TD, HZ, SW	CVD, ED, LI					
6071002401	Yes	94	91	85	AQ, TR, CS, HZ, SW						
<b>Valley Unincorporated Islands: San Bernardino</b>											
6071006302	Yes	87	61	94	AQ, DW	AS, CVD, ED, PO, UE, HB					
6071006500	Yes	95	81	96	AQ, DW, CS	AS, CVD, LB, PO, UE, UE					
6071006100	Yes	76	43	93	AQ, DW						

Source: OEHHA, CalEnviroScreen, version 3, 2016.

**Table HZ-2. EJ Assessment in the El Mirage Valley**

Topic	Environmental Conditions
Reduction of pollution exposure and improving air quality	<p><b>Pollution Exposure</b> El Mirage has hazardous waste cleanup sites from past military and aerospace uses, groundwater threats, and a remediated/closed hazardous waste storage facility.</p>
	<p><b>Air Quality</b> El Mirage is in the Mojave Air Quality Management District. Like much of southern California, the region has air quality issues. The region does not meet federal standards for ozone and respirable particulate matter (PM10) or state standards for ozone and respirable and fine PM2.5.</p>
Promoting public facilities (including infrastructure and community services)	<p><b>Water and Sewer</b> El Mirage has limited water infrastructure and relies on private wells that tap into the aquifer. El Mirage is also reliant on septic tanks and leach fields, with no ability to support the installation of a regional wastewater treatment plant due to the extremely low levels of population and density. Groundwater has been known to be vulnerable to contaminants.</p>
	<p><b>Fire and Sheriff</b> County Fire Station 311 serves El Mirage and responds in an average of 19 minutes, due primarily to the extremely low levels of population and density. Police service is provided by the County Sheriff in Victorville and response time is not known.</p>
Promoting health care Infrastructure	<p><b>Health Needs</b> Health needs for El Mirage are significant—including a 39% adult obesity (13 points above the state average), 30% of working age adults in fair or poor health (50% higher than state averages), 14% diabetes rate (50% above the state average), and higher asthma rates among adults. Heart disease is also a significant concern in the area.</p>
	<p><b>Health Care Infrastructure</b> El Mirage is designated a HPSA for mental health and primary care services and is a medically underserved area. Both areas have limited medical infrastructure, and residents must travel some distance to access facilities in other communities.</p>
Promoting food access	<p><b>Food Security</b> The poverty rate in El Mirage and Oro Grande is 30%, which is twice the state average. As a result, food insecurity is similarly high, affecting 16% of low income households, twice the state average. In El Mirage schools, over 70% of children are eligible for free or reduced-price meals.</p>
	<p><b>Food Access</b> El Mirage has limited grocery outlets, limited to a cluster near SR-395 in Adelanto. There are no WIC (Women, Infants, and Children) vendors and only 1 Cal-Fresh-certified vendor in El Mirage. Due to the general lack of access to nearby stores, El Mirage is designated a food desert.</p>

**Table HZ-2. EJ Assessment in the El Mirage Valley**

Topic	Environmental Conditions
Promoting safe and sanitary housing	<p><b>Housing</b> As part of the consolidated plan process, residents indicated a need to promote safe and sanitary housing. Although housing is relatively affordable in El Mirage compared to other areas, concerns remain. Residents mentioned that abandoned homes should be demolished or rehabbed; code enforcement is understaffed; more is needed.</p>
Promoting physical activity	<p><b>Level of Physical Activity</b> Among youth ages 5 to 17, 26% participated in at least of one hour of physical exercise regularly versus 24% in the county and 21% in the state. For adults, the percentages of adults who walked more than 150 minutes per week was lower in the area versus the county and state averages.</p>
	<p><b>Opportunities for Physical Activity</b> Recreational outlets include trails and outdoor sports, including opportunities in state and federal parks. The unincorporated areas in the community plan areas have few developed parks. Road have limited pedestrian and bicycling facilities. This is not uncommon for desert roads.</p>
Civil Engagement	<p><b>Community Participation</b> With daytime Planning Commission and Board of Supervisors meetings and a conventional notification process, it can be difficult for residents in this area to learn about and provide input on proposed development in a timely manner that substantively and effectively impacts the decision making process. Additionally, this area is far from public meeting sites, most households do not have good internet access, and approximately 11 percent of households do not speak English well.</p>

**Table HZ-3. EJ Assessment in the North High Desert**

Topic	Environmental Conditions
Reduction of pollution exposure and improving air quality	<p><b>Pollution Exposure</b> The area’s primary exposure to pollution is groundwater threats, hazardous wastes, and solid wastes. It should be noted, however, that this area extends 200 square miles to the Nevada border. Many of these pollutant sources are in unpopulated areas, far from Daggett, Newberry Springs, and Yermo.</p>
	<p><b>Air Quality</b> This area is in the Mojave Air Quality Management District. Although the area has very high levels of ozone, there are few other appreciable air pollutants, except for a small area around the Barstow BNSF railyard, which has high levels of diesel particulate matter.</p>
Promoting public facilities (including	<p><b>Water and Sewer</b> LAFCO identified Daggett as a hotspot for insufficient water supply, water</p>

**Table HZ-3. EJ Assessment in the North High Desert**

Topic	Environmental Conditions
infrastructure and community services)	<p>quality concerns, deficient infrastructure, and financial concerns. Unincorporated areas rely on individual septic systems. Drinking water is known to be at risk of contamination from nitrate, lead, and radioactive elements.</p> <p><b>Fire and Sheriff</b> County Sheriff’s Barstow Station serves this area; response times are not available. County Fire provides fire protection services from stations #52, #53, #56, and #4. Response times vary—from 20 to 50 minutes depending staffing for the paid-call firefighter station.</p>
Promoting health care Infrastructure	<p><b>Health Needs</b> Health issues include a 28% obesity rate and 10% diabetes rate—all close to state averages. Despite more modest income levels compared to other parts of the county, the health conditions of residents are better than many other areas of the county.</p> <p><b>Health Care Infrastructure</b> Currently, the area is designated an HPSA for primary care, mental health, and dental services and a medically underserved area/population. There is a significant need for all the major medical services; residents must now travel to Barstow for service.</p>
Promoting food access	<p><b>Food Security</b> The poverty rate in the area for adults is high (21%), far above the state average, and 11% of low income households are food insecure. Food insecurity affects children in the area as well. Approximately 78% of children in Barstow Unified School District were eligible for free/reduced-price meals in 2016.</p> <p><b>Food Access</b> Except for small markets, these areas lack a full-service grocery store, and residents must drive to Barstow. There are no WIC vendors or Cal-Fresh–certified vendor closer than Barstow. Due to limited access to grocery stores, the entire area is designated a food desert by the USDA.</p>
Promoting safe and sanitary housing	<p><b>Housing</b> Limited information is available about safe and sanitary housing in the area. Generally, the housing stock has a high proportion of mobile home units on septic service. Given the construction type and age of structures, there is a significant need to rehabilitate aging housing and demolish abandoned or dilapidated homes. Code enforcement issues may be concentrated in certain areas as well.</p>
Promoting physical activity	<p><b>Level of Physical Activity</b> State physical fitness tests show one-third of students need improvement in aerobic capacity. However, the percentage of youth (age 5 to 17) getting regular physical activity is greater (31%) than in California (21%). The level of physical activity (as measured by walking) among adults is lower than state averages.</p> <p><b>Opportunities for Physical Activity</b></p>

**Table HZ-3. EJ Assessment in the North High Desert**

Topic	Environmental Conditions
	<p>Recreational outlets include trails, hiking, and outdoor sports. Outside of Barstow and schools, formal park facilities are limited to Newberry Springs Park. Roadways have no pedestrian and bicycling facilities or other amenities. However, residents can walk and bicycle on public streets because traffic is very light.</p>
Civil Engagement	<p><b>Community Participation</b>                      With daytime Planning Commission and Board of Supervisors meetings and a conventional notification process, it can be difficult for residents in this area to learn about and provide input on proposed development in a timely manner that substantively and effectively impacts the decision making process. Many parts of this area are far from public meeting sites. Additionally, the Daggett, Newberry Springs, and Baker communities do not have good internet access and approximately 10 percent of households do not speak English well.</p>

**Table HZ-4. EJ Assessment in Mountain Communities**

Topic	Environmental Conditions
Reduction of pollution exposure and improving air quality	<p><b>Pollution Exposure</b>                      While the area is affected by solid waste facilities and some impaired waterways, the greatest concern is drinking water. Drinking water tests have shown elevated levels of arsenic, nitrate, lead, uranium, and other contaminants in certain areas. Maximum contaminant level violations may have also occurred.</p> <p><b>Air Quality</b>                      This area is in the South Coast Air Quality Management District. Although the area has very high levels of ozone, air pollutant concentrations are low, except for a small area affected by PM<sub>2.5</sub> around Crestline. Due to the lack of heavy industry and trucking, air quality is good in the mountain communities.</p>
Promoting public facilities (including infrastructure and community services)	<p><b>Water and Sewer</b>                      The Mountain area has 8 public and 16 private water systems. According to LAFCO, there are no areas with significant water issues.</p> <p><b>Fire and Sheriff</b>                      In the Crest Forest area, San Bernardino County Fire response times vary between 6 and 13 minutes. Hilltop communities have a similar fire response time, less than 15 minutes. The entire area is served by the County Sheriff.</p>
Promoting health care Infrastructure	<p><b>Health Needs</b>                      While there are some variations among different communities, the overall health needs for the Mountain areas generally mirror the county and state. There are few differences in rates of asthma, diabetes, obesity, mental health problems, or other chronic diseases, according to statewide surveys. Obesity</p>

**Table HZ-4. EJ Assessment in Mountain Communities**

Topic	Environmental Conditions
	<p>rates for the mountain communities (33%) are lower than the County (35%), but higher than in California (26%).</p> <p><b>Health Care Infrastructure</b> The Crest Forest area is served by Mountain Community Hospital. All the communities are designated HPSAs for primary care and mental health.</p>
Promoting food access	<p><b>Food Security</b> The poverty rate in the area for adults is like the county and California as a whole, but only 5% of low income households are food insecure, which is half the state and county average. Percentages of children eligible for free and reduced-price meals is 50% in Rim of the World.</p> <p><b>Food Access</b> parts of the area south to Rim of the World Highway and parts of Crestline are considered food deserts.</p>
Promoting safe and sanitary housing	<p><b>Housing</b> Limited information is available about safe and sanitary housing in the area. However, residents reported issues with junk and trash, excessive outside storage, inoperative vehicles, group homes, construction without permits, and vacant or seasonal housing.</p>
Promoting physical activity	<p><b>Level of Physical Activity</b> Limited data is available. Based on California Health Interview Survey, youth appear to get more regular exercise than youth in the county and state, but the reverse is true for adults. The size of this area and its unpopulated nature make it difficult to create accurate comparisons.</p> <p><b>Opportunities for Physical Activity</b> Recreational outlets include trails, hiking, and outdoor sports. In addition to access to the surrounding National Forest, Bear Valley, Crest Forest, Lake Arrowhead, and Hilltop have public parks. Outside of the downtown areas, roadways generally have limited pedestrian and bicycling facilities. This is not uncommon for areas with mountain roads and periodic inclement weather.</p>
Civil Engagement	<p><b>Community Participation</b> With County Government Centers located outside of the Mountain region, daytime Planning Commission and Board of Supervisors meetings, and a conventional notification process, it can be difficult for residents in this area to provide input on proposed development in a timely manner that substantively and effectively impacts the decision making process.</p>

**Table HZ-5. EJ Assessment in Bloomington and Muscoy**

Topic	Environmental Conditions
Reduction of pollution exposure and improving air quality	<p><b>Pollution Exposure</b>                      Nearly all census tracts (11 of 13) has high levels of air pollution and drinking water contamination concerns. Other pollution exposure issues include traffic density, toxic releases from industry, hazardous waste and cleanup sites from military and industrial land uses.</p>
	<p><b>Air Quality</b>                      This area is in the South Coast Air Quality Management District and as a nonattainment status for ozone and particulate matter. Pollutant concentrations are high for particulate matter, including diesel particulate matter due to trucking routes in and around both communities.</p>
Promoting public facilities (including infrastructure and community services)	<p><b>Water and Sewer</b>                      Water and sewer challenges are significant. For Muscoy, water service is provided by the Muscoy Mutual Water Company, and septic tanks and leach fields are used for its wastewater needs. For Bloomington, several water districts provide potable water for the community. For sewer, Bloomington was also developed with reliance on septic tanks and leachfield systems.</p>
	<p><b>Fire and Sheriff</b>                      San Bernardino County Fire Station #75 serves Muscoy and response times are 4 to 6 minutes, which is generally with NFPA standards. Bloomington Fire Station #76 serves the community and response times are unknown but are assumed to be also within NFPA standards due to the size of the community. Both areas are served by County Sheriff and response times were not available.</p>
Promoting health care Infrastructure	<p><b>Health Needs</b>                      Within this area, Muscoy has elevated levels of asthma and high levels of obesity (35%) versus statewide average of 26%, and emergency room admits for cardiovascular disease. For Bloomington, key health needs include diabetes, a 43% obesity rate, and high rate of emergency room admits for heart disease.</p>
	<p><b>Health Care Infrastructure</b>                      Access to health-supporting land uses is mixed. While Bloomington is not defined as a HPSA, all areas south of I-10 are designated a medically underserved population/area. Muscoy is also not a HPSA, although utilization of existing clinics in the area is mixed.</p>
Promoting food access	<p><b>Food Security</b>                      The poverty rate in both Bloomington and Muscoy is high. Low income household food insecurity is high in Bloomington (13%) and Muscoy (10%) versus state averages (8%). County has designated both areas as an HPLA—high poverty low access food desert.</p>
	<p><b>Food Access</b>                      Food access is generally poor. In Bloomington, the area south of I-10 is designated by the USDA as a food desert, but other areas north of the I-10 have</p>

**Table HZ-5. EJ Assessment in Bloomington and Muscoy**

Topic	Environmental Conditions
	adequate access. Muscoy is also considered a food desert. There is a high preponderance of fast food outlets, liquor markets, and convenience stores.
Promoting safe and sanitary housing	<p><b>Housing</b></p> <p>Limited information is available about safe and sanitary housing in the area. No code enforcement data are available. However, residents reported issues with the need for demolition and/or rehabilitation of homes, illegal dumping, junk and trash, and vacant homes in certain locations.</p>
Promoting physical activity	<p><b>Level of Physical Activity</b></p> <p>Among youth ages 5 to 17, 20% in Bloomington and 24% in Muscoy participated in at least of one hour of physical exercise regularly versus 24% in the county and 21% in the state. The percentage of adults who walked more than 150 minutes per week was lower in the area versus the county and state averages.</p>
	<p><b>Opportunities for Physical Activity</b></p> <p>Recreational outlets include bicycling, walking, and active recreation at parks. Roadways generally have limited pedestrian and bicycling facilities. Safety concerns (traffic and trucking) along streets makes active transportation uses generally not optimal.</p>
Civil Engagement	<p><b>Community Participation</b></p> <p>Despite the area’s proximity to the primary County Government Center, daytime Planning Commission and Board of Supervisors meetings and a conventional notification process can make it difficult for residents in such areas to learn about and provide input on proposed development in a timely manner that substantively and effectively impacts the decision making process. Additionally, approximately 13 to 23 percent of households in Bloomington, 15 percent of households in the Colton SOI, and 5 to 13 percent of households in selected portions of Muscoy do not speak English well.</p>

**Table HZ-6. EJ Assessment in Valley Unincorporated Islands**

Topic	Environmental Conditions
Reduction of pollution exposure and improving air quality	<p><b>Pollution Exposure</b></p> <p>Pollution exposure is significant for valley unincorporated islands, particularly those located within or near to industrial land uses or transportation infrastructure. Locations and issues where the CES scores exceeds the 75<sup>th</sup> percentile are as follows:</p> <p>Chino-Montclair: drinking water, cleanup sites, and hazardous and solid waste facilities</p> <p>Western Fontana: cleanup sites, and hazardous and solid waste facilities</p> <p>San Bernardino: drinking water, cleanup sites, and hazardous and solid waste facilities</p>



**Table HZ-6. EJ Assessment in Valley Unincorporated Islands**

Topic	Environmental Conditions
	<p><b>Air Quality</b></p> <p>The San Bernardino Valley is in the South Coast Air Quality Management District and is designated as a nonattainment status for ozone and particulate matter. Pollutant concentrations are high for particulate matter, including diesel particulate matter due to trucking routes in these communities. Of concern, west Fontana and Chino-Montclair areas are near industrial centers. Toxic releases from industrial uses exceed the 75<sup>th</sup> percentile in every census tract within these two communities. None of the other census tracts in unincorporated San Bernardino or the Mentone area score high in toxic releases from industries.</p>
Promoting public facilities (including infrastructure and community services)	<p><b>Water and Sewer</b></p> <p>None of the four valley unincorporated islands were noted by the San Bernardino LAFCO as a hotspot for providing water. Wastewater service capacity is being studied by LAFCO. Based on technical reports for the countywide plan, infrastructure in all the unincorporated islands is able to provide water and sanitation services to support projected residential and nonresidential growth over the foreseeable future. However, it should be noted that drinking water contamination levels exceeded the 75<sup>th</sup> percentile in the Chino-Montclair and San Bernardino, unincorporated islands.</p> <p><b>Fire and Sheriff</b></p> <p>Chino-Montclair: Montclair FD and Chino Valley FD provides service; response times are unknown                      Western Fontana: County Station #72 serves west Fontana; response times are unknown                      San Bernardino: County Fire provides services to these areas; response times are unknown                      County Sheriff provides law enforcement services for all areas; response times are unknown</p>
Promoting health care Infrastructure	<p><b>Health Needs</b></p> <p>Chino-Montclair: high levels of diabetes (13%), obesity (37%), and emergency room visits for heart disease                      Western Fontana: high levels of diabetes (13%), obesity (41%), and emergency room visits for heart disease                      San Bernardino: high levels of diabetes (12%), obesity (40%), and emergency room visits for heart disease</p> <p><b>Health Infrastructure</b></p> <p>While the desert regions are known for a lack of health care infrastructure, most areas in the valley are fairly well-served with health care professionals, with a few exceptions by area.                      Chino-Montclair: not designated as a HPSA                      Western Fontana: not designated as a HPSA                      San Bernardino: designated as a HPSA for medically underserved area</p>

**Table HZ-6. EJ Assessment in Valley Unincorporated Islands**

Topic	Environmental Conditions
	/population only
Promoting food access	<p><b>Food Security</b>                      A significant portion of children in these areas are eligible for free or reduced meals at local schools. With respect to household food insecurity, rates vary by community.                      Chino-Montclair: food insecurity similar to state (8%) and county averages (9%)                      Western Fontana: a-high levels of food insecurity among low income households (15%)                      San Bernardino: moderate levels of food insecurity among low income households (11%)</p> <p><b>Food Access</b>                      Food access according to the USDA is generally good, with a few exceptions.                      Chino-Montclair: small portion along Mission Boulevard is a food desert                      Western Fontana: southeast quadrant is a food desert                      San Bernardino: selected unincorporated census tracts are food deserts</p>
Promoting safe and sanitary housing	<p><b>Housing</b>                      There is no source of data documenting the condition of safe and sanitary housing in unincorporated islands. Most cities and the County do not track the data nor is this information included in consolidated plans or other mandated reports for individual areas. However, visual inspection indicates a need for housing rehabilitation, demolition of dilapidated structures, code enforcement concerns, property maintenance, and debris and vehicle clearance. While not all unincorporated islands display these issues, many of the lower income census tract areas have one or more of the above conditions affecting neighborhood quality.</p>
Promoting physical activity	<p><b>Level of Physical Activity</b>                      Levels of physical activity are similar for most valley communities as follows.                      Chino-Montclair: 22% of youth exercised regularly and 30% of adults walked at least 150 minutes per week                      Western Fontana: 21% of youth exercised regularly and 31% of adults walked at least 150 minutes per week                      San Bernardino: 24% of youth exercised regularly and 30% of adults walked at least 150 minutes per week</p> <p><b>Opportunities for Physical Activity</b>                      As the Valley is urbanized, there are ample opportunities for bicycling, walking, and active recreation at parks. Roadways generally have limited pedestrian and bicycling facilities. However, safety concerns (traffic and trucking) along streets makes active transportation uses generally not optimal. Certain neighborhoods may also have elevated levels of crime and vagrancy that may discourage use of physical activity opportunities.</p>









**Table HZ-6. EJ Assessment in Valley Unincorporated Islands**

Topic	Environmental Conditions
Civil Engagement	<p><b>Community Participation</b></p> <p>Despite the area’s proximity to the primary County Government Center, daytime Planning Commission and Board of Supervisors meetings and a conventional notification process can make it difficult for residents in such areas to learn about and provide input on proposed development in a timely manner that substantively and effectively impacts the decision making process. Additionally, approximately 17 percent of households in the Montclair SOI, 14 to 17 percent of households in the western Fontana SOI, and 7 to 20 percent of households in the City of San Bernardino SOI do not speak English well.</p>

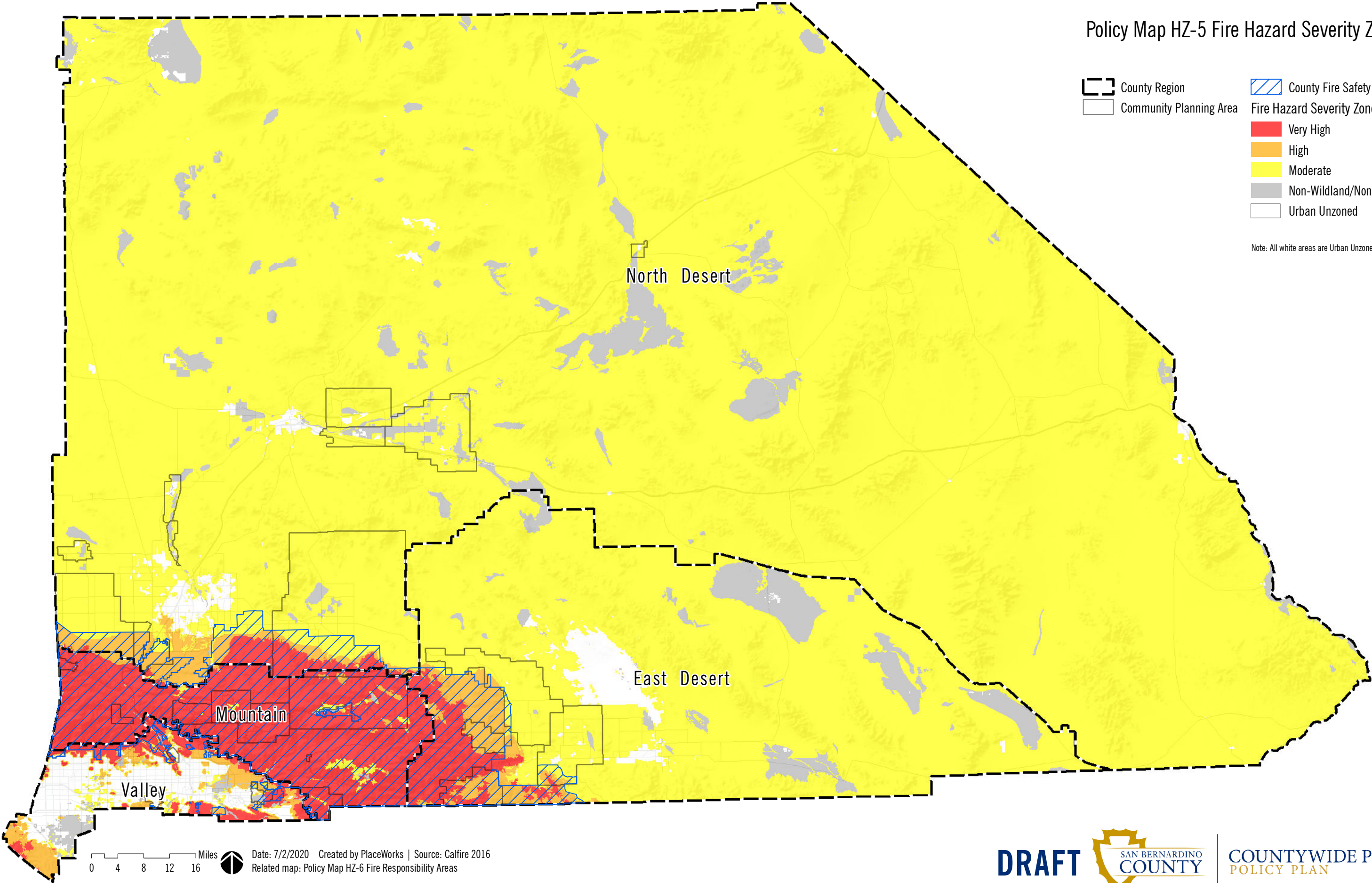
**Table HZ-7. Objectives for Unincorporated Environmental Justice Focus Areas**

Topic	Objective
Reduction of pollution exposure and improving air quality	<ul style="list-style-type: none"> <li>▪ <b>Contaminated soils.</b> Remediation of hazardous waste sites and other contaminated sites.</li> <li>▪ <b>Water quality.</b> Improved water quality and elimination of groundwater threats.</li> <li>▪ <b>Air quality.</b> Reduction of ozone emissions and particulate matter to levels that meet federal and state standards.</li> </ul>
Promoting public facilities (including infrastructure and community services)	<ul style="list-style-type: none"> <li>▪ <b>Fire and Sheriff.</b> Improved response times for public safety services.</li> <li>▪ <b>Public facilities.</b> Improved access to existing and new public facilities that serve community needs for safety, health, and physical activity.</li> <li>▪ <b>Water and wastewater infrastructure.</b> Adequate leach fields for onsite wastewater treatment systems and safe drinking water.</li> </ul>
Promoting health care Infrastructure	<ul style="list-style-type: none"> <li>▪ <b>Health needs and infrastructure.</b> Reduction in the number of residents that lack access to health care professionals.</li> </ul>
Promoting food access	<ul style="list-style-type: none"> <li>▪ <b>Food access.</b> Improved food security and access to fresh food.</li> </ul>
Promoting safe and sanitary housing	<ul style="list-style-type: none"> <li>▪ <b>Housing.</b> Improved housing conditions for homeowners and renters.</li> </ul>
Promoting physical activity	<ul style="list-style-type: none"> <li>▪ <b>Joint use facilities.</b> New joint use facilities that reduce barriers to exercise opportunities and increase access to physical fitness facilities.</li> <li>▪ <b>Opportunities for physical activity.</b> New alternative transportation improvements in mobility focus areas.</li> </ul>
Civil Engagement	<ul style="list-style-type: none"> <li>▪ <b>Community participation.</b> Increased awareness and understanding of potential projects and more opportunities for meaningful public participation that can affect the decision making process.</li> </ul>

# Policy Map HZ-5 Fire Hazard Severity Zones

 County Region	 County Fire Safety Overlay
 Community Planning Area	<b>Fire Hazard Severity Zone</b>
	 Very High
	 High
	 Moderate
	 Non-Wildland/Non-Urban
	 Urban Unzoned

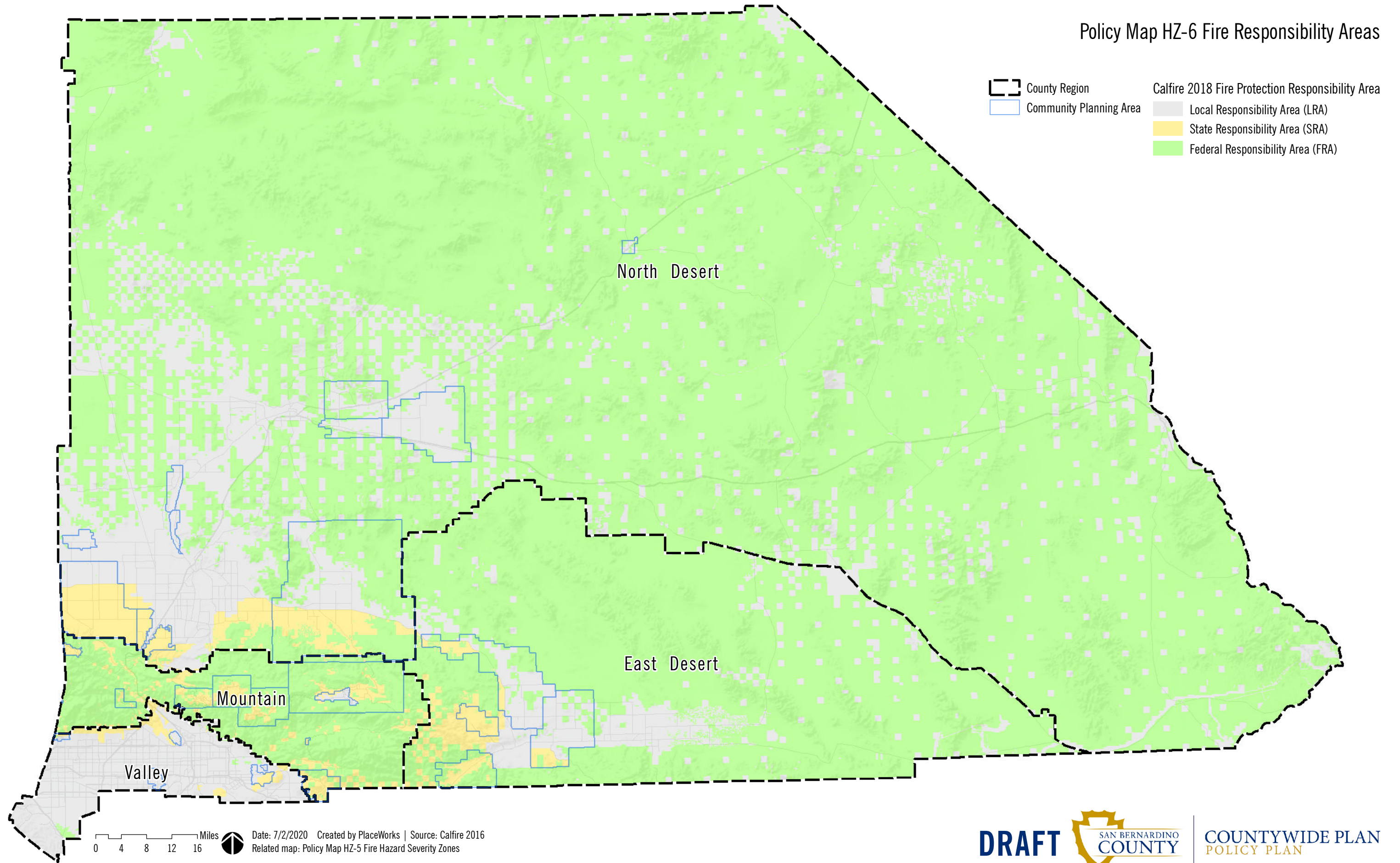
Note: All white areas are Urban Unzoned



Date: 7/2/2020 Created by PlaceWorks | Source: Calfire 2016  
 Related map: Policy Map HZ-6 Fire Responsibility Areas

**DRAFT**  **COUNTYWIDE PLAN**  
 POLICY PLAN

# Policy Map HZ-6 Fire Responsibility Areas



- County Region
- Community Planning Area
- Calfire 2018 Fire Protection Responsibility Area
  - Local Responsibility Area (LRA)
  - State Responsibility Area (SRA)
  - Federal Responsibility Area (FRA)

0 4 8 12 16 Miles  
Date: 7/2/2020 Created by PlaceWorks | Source: Calfire 2016  
Related map: Policy Map HZ-5 Fire Hazard Severity Zones

## Personal & Property Protection Element

The benefits, public goods, and investments associated with a high quality of life in San Bernardino County—strong neighborhoods, economic prosperity, cradle-to-career education, a vibrant culture, and civic engagement—can only be achieved when people experience a real and perceived sense of safety. Public safety is also directly related to the County’s resilience—its ability to adapt to changing conditions and prepare for, withstand, and rapidly recover from disruption or disasters.

The County provides law enforcement, including crime prevention, in unincorporated areas and under contract to some incorporated jurisdictions. It also provides some countywide law enforcement services, including the coroner, and when requested, special investigation assistance to incorporated jurisdictions. The County is also responsible for: the administration of justice, both prosecutions and public defenders, for crimes committed in the county; operation of County jails, including rehabilitation of inmates in its custody; holistically rehabilitate and assist the reentry and transition of parolees, probationers, and others living in the county engaged by the criminal justice system, and assistance to victims of and witnesses to crimes committed in the county.

The County Fire District provides fire prevention services, fire protection for wild fires and urban fires, and emergency medical response in unincorporated areas, portions of incorporated jurisdictions included in the district, and, under contract, in some incorporated jurisdictions. The County plans for and responds to emergencies and natural disasters countywide, and County Fire also provides regional urban search and rescue services.

The Sheriff is responsible for law enforcement and is elected by voters countywide. The Board of Supervisors appropriates funds to supplement state and federal funding for law enforcement. Achieving the Policy Plan’s goals for law enforcement is, thus, a collaborative effort between the Board of Supervisors and the Sheriff. The Sheriff also provides countywide wilderness rescue services.

The County makes a maintenance of effort payment for courts, but the state is primarily responsible for funding courts and fully responsible for any expansion. However, the County funds the elected District Attorney’s office, the Public Defender’s office, and the Sheriff’s department’s court services. Thus, state decisions on court funding will influence the ability of the County to achieve this element’s law and justice goal.

### Purpose

The Personal and Property Protection Element:

- Promotes continuous improvement in the provision of public safety and administration of justice.
- Supports coordinated and effective interagency response to emergencies and natural disasters.
- Provides policy direction to engage communities and respond to identified needs.
- Fosters collaboration among the Board of Supervisors-directed agencies and departments and the elected Sheriff and District Attorney.

- Augments, rather than replaces, state- and federally-mandated goals and objectives.

## Principles

We believe:

- Public safety and administration of justice is a fundamental responsibility of county government, and a key determinant of quality of life.
- Maintaining and improving a real and perceived sense of public safety is necessary to attract private investment in residences and businesses.
- A collaborative effort among County agencies and other organizations is required to prevent crime, assist victims of and witnesses to crime, and holistically rehabilitate and aid the reentry and transition of parolees, probationers, and others engaged in the criminal justice system.
- A regional approach to fire suppression and emergency response is effective and cost-efficient.
- Minimizing the loss of life and property during emergencies and natural disasters requires collaborative planning, preparation, and execution.

### Goal PP-1 Law Enforcement

**Effective crime prevention and law enforcement that leads to a real and perceived sense of public safety for residents, visitors, and businesses.**

- Policy PP-1.1 **Law enforcement services.** The Sheriff's Department provides law enforcement services for unincorporated areas and distributes resources geographically while balancing levels of service and financial resources with continuously changing needs for personal and property protection.
- Policy PP-1.2 **Contract law enforcement.** When requested, the Sheriff's Department provide law enforcement services to incorporated jurisdictions by contract at the full cost of services as determined by the County, without direct subsidy by the County.
- Policy PP-1.3 **Holistic approach to crime prevention.** We recognize that the roots of crime are found throughout a spectrum of psychological, social, economic, and environmental issues, and we coordinate proactive planning and activities among the Sheriff's Department and county and non-county agencies and organizations to intervene and effectively prevent crime.
- Policy PP-1.4 **Crime prevention resource allocation.** The Sheriff's Department uses crime data analysis, professional expertise, and community input to allocate patrols and other crime prevention resources.
- Policy PP-1.5 **Community-based crime prevention.** The Sheriff's Department provides a range of outreach, education, and training programs for community-based and school-based crime prevention.

- Policy PP-1.6 **Agency partnerships.** The Sheriff's Department partners with other local, state, and federal law enforcement agencies and private security providers to enhance law enforcement service.
- Policy PP-1.7 **Community partnerships.** The Sheriff's Department establishes and maintains partnerships to help identify public safety needs, strengthen community confidence, and improve service to our communities.
- Policy PP-1.8 **Public awareness.** The Sheriff's Department engages the media and our communities to improve the public's perception and awareness of personal and property protection and safety.
- Policy PP-1.9 **Periodic needs assessment.** The Sheriff's Department periodically assesses their facility, equipment, and staffing needs and use the assessment to allocate funding resources in the annual budget and capital improvement program.
- Policy PP-1.10 **Qualified workforce.** The Sheriff's Department attracts and retains a qualified workforce of law enforcement and support personnel, reflective of the people they serve, and invest in training and ongoing education.

## Goal PP-2 Law & Justice

**An equitable justice system for violations of law in the county, adequate care and effective rehabilitation for inmates in the County's custody, and the holistic rehabilitation and aided reentry and transition of parolees, probationers, and others living in the county engaged by the criminal justice system.**

- Policy PP-2.1 **Equity.** We, in conjunction with the Sheriff's Department, monitor and improve our law and justice functions, including for those accused of violating state and local law, victims, and witnesses, to ensure that individuals and corporations are treated equitably.
- Policy PP-2.2 **Capacity.** We advocate for and support sufficient capacity in the justice system, including the criminal and civil courts, District Attorney's office, and Public Defender's office, to effectively and efficiently adjudicate violations of law committed in the county.
- Policy PP-2.3 **Information sharing.** We continually improve the sharing of non-privileged information from the time of arrest through trial, among the Sheriff's Department and city police departments, courts, District Attorney's office, Public Defender's office, and Probation Department.
- Policy PP-2.4 **Housing and care of inmates.** We provide adequate care and effective rehabilitation for those incarcerated in County jails or housed in County juvenile detention facilities, consistent with state and federal law, and we advocate for adequate state funding.
- Policy PP-2.5 **Support for victims and witnesses.** In conjunction with the District Attorney's office, we provide supportive services for victims of and witnesses to crime through a holistic approach considering physical, psychological, and basic needs.



Policy PP-2.6 **Recidivism.** To prevent recidivism, we provide holistic rehabilitation to those incarcerated and engaged in the reentry process, and provide coordinated services through the departments and agencies associated with law and justice, human services, economic development, and housing, as well as other agencies and nongovernmental organizations.

### **Goal PP-3 Fire and Emergency Medical**

**Reduced risk of death, injury, property damage, and economic loss due to fires and other natural disasters, accidents, and medical incidents through prompt and capable emergency response.**

Policy PP-3.1 **Fire and emergency medical services.** We maintain a sufficient number and distribution of fire stations, up-to-date equipment, and fully-trained staff to respond effectively to emergencies.

Policy PP-3.2 **Fire District.** We support the expansion of the Fire District to serve additional incorporated jurisdictions, and the use of special funding and financing mechanisms to augment Fire District revenues to improve service and coverage.

Policy PP-3.3 **Search and rescue.** We maintain up-to-date equipment and fully-trained staff to provide urban search and rescue and swift water rescue emergency response.

Policy PP-3.4 **Fire prevention services.** We proactively mitigate or reduce the negative effects of fire, hazardous materials release, and structural collapse by implementing the California Fire Code, adopted with County amendments.

Policy PP-3.5 **Firefighting water supply and facilities.** We coordinate with water providers to maintain adequate water supply, pressure, and facilities to protect people and property from urban fires and wildfires.

Policy PP-3.6 **Concurrent protection services.** We require that fire department facilities, equipment, and staffing required to serve new development are operating prior to, or in conjunction with new development.

Policy PP-3.7 **Fire safe design.** We require new development in the Fire Safety Overlay to comply with additional site design, building, and access standards to provide enhanced resistance to fire hazards.

Policy PP-3.8 **Fire-adapted communities.** We inform and prepare our residents and businesses to collaboratively plan and take action to more safely coexist with the risk of wildfires.

Policy PP-3.9 **Street and premise signage.** We require adequate street signage and premise identification be provided and maintained to ensure emergency services can quickly and efficiently respond.

Policy PP-3.10 **Community outreach.** We engage with local schools, community groups, and businesses to increase awareness of fire risk, prevention, and evacuation.

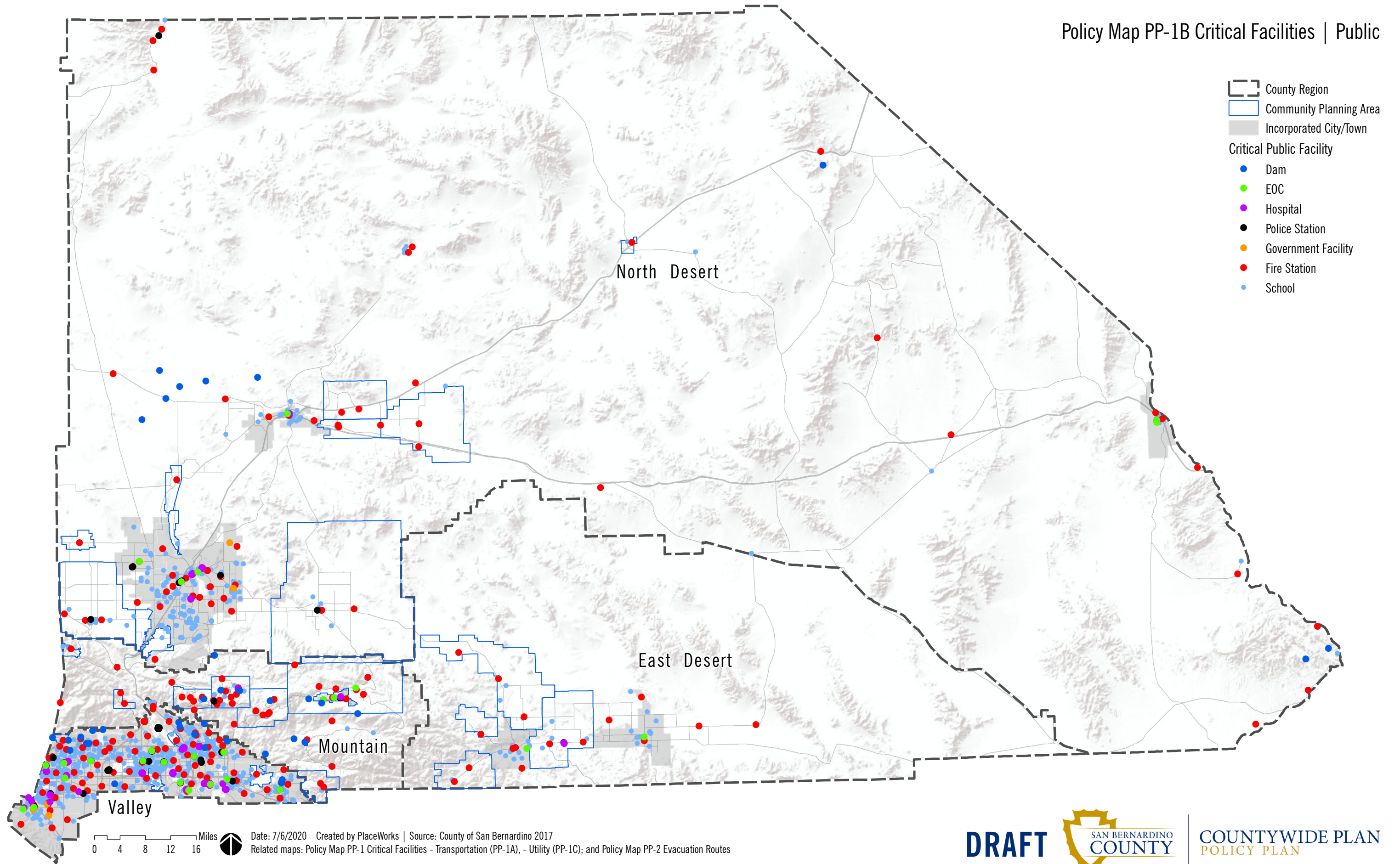
- Policy PP-3.11 **Post-burn risks.** In areas burned by wildfire, we require new and reconstructed development to adhere to current development standards, and may require additional study to evaluate increased flooding, debris flow, and mudslide risks.
- Policy PP-3.12 **Fire protection and emergency medical resource allocation.** We use fire and emergency services data analysis and professional expertise to allocate resources, reduce fire risks, and improve emergency response.
- Policy PP-3.13 **Periodic needs assessment.** We periodically assess our facility, equipment, and staffing needs and use the assessment to allocate funding resources in the annual budget and capital improvement program.
- Policy PP-3.14 **Qualified workforce.** We attract and retain a qualified workforce of fire fighters, emergency medical technicians, and support personnel, and invest in training and ongoing education.

#### **Goal PP-4 Emergency Preparedness and Recovery**

**A reduced risk of and impact from injury, loss of life, property damage, and economic and social disruption resulting from emergencies, natural disasters, and potential changes in climate.**

- Policy PP-4.1 **Emergency management plans.** We maintain, update, and adopt the Emergency Operations Plan, Continuity of Operations Plan, and the Multi-Jurisdictional Hazard Mitigation Plan. Plan updates are coordinated with wildfire hazard planning efforts of outside agencies, such as CALFIRE Strategic Fire Plan, Community Wildfire Protection Plans, U.S. Forest Service, military institutions, California Fire Safe Council and other non-profit stakeholder groups, and other applicable local, state, and federal agencies.
- Policy PP-4.2 **Critical and essential facility operation.** We ensure that critical and essential County facilities remain operational during emergencies.
- Policy PP-4.3 **Automatic and mutual aid.** We participate in agreements for automatic and mutual aid with other local, state, federal, and nongovernmental emergency service providers to improve protection services and emergency response throughout the county.
- Policy PP-4.4 **Emergency shelters and routes.** We identify and publicize emergency shelters and sign and control evacuation routes for use during emergencies.
- Policy PP-4.5 **Vulnerable populations.** We coordinate with and encourage the use of community-based networks to aid vulnerable populations prepare for emergencies and provide assistance with evacuation and recovery.
- Policy PP-4.6 **Recovery.** We reestablish and expedite County services to assist affected residents and businesses in the short- and long-term recovery from emergencies and natural disasters.
- Policy PP-4.7 **Public outreach and education.** We engage with the community to increase awareness of and preparedness for emergencies and natural disasters.





# Policy Map PP-1B Critical Facilities | Public

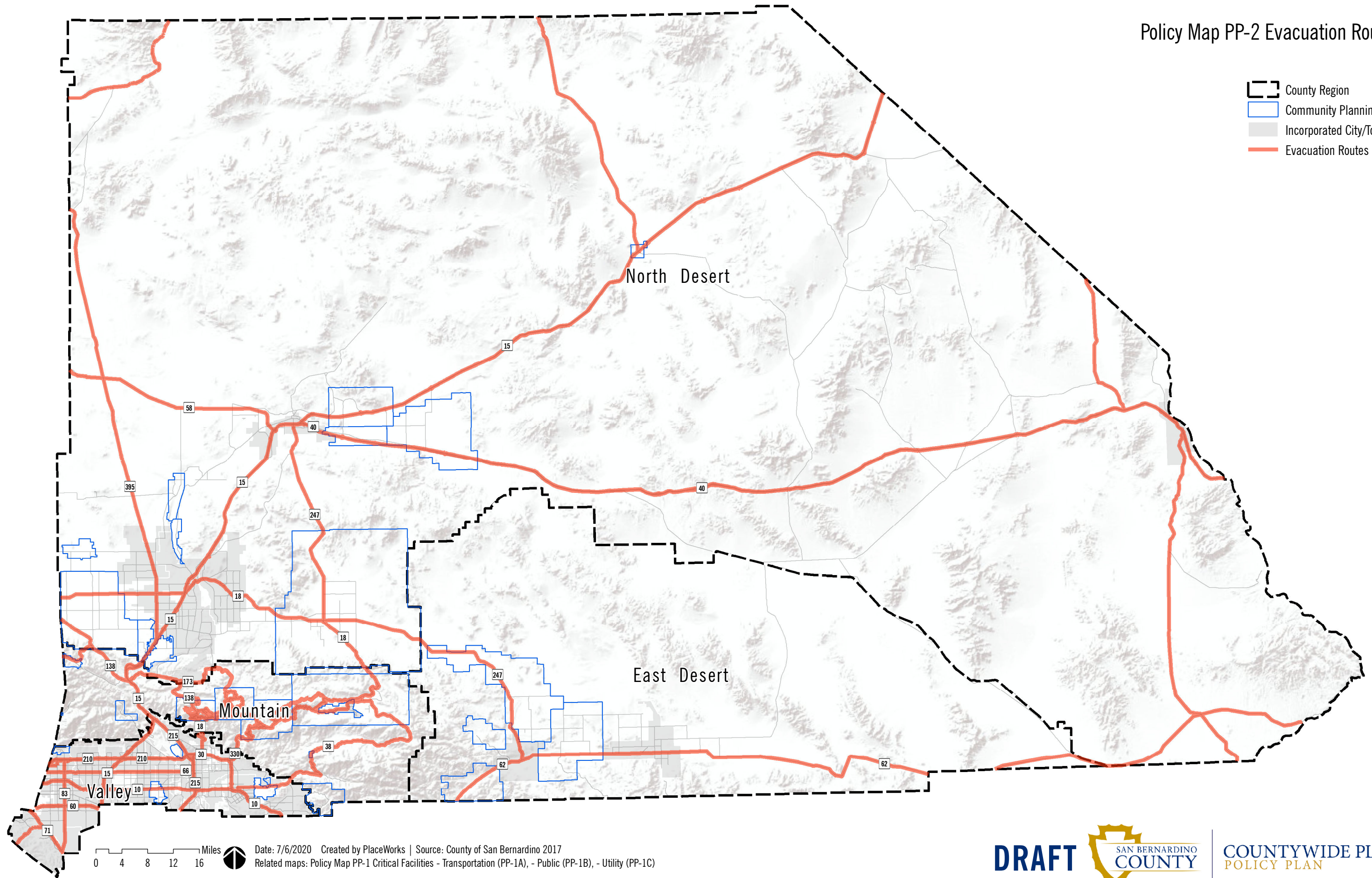


- County Region
- Community Planning Area
- Incorporated City/Town
- Critical Public Facility
  - Dam
  - EOC
  - Hospital
  - Police Station
  - Government Facility
  - Fire Station
  - School

0 4 8 12 16 Miles  
Date: 7/6/2020 Created by PlaceWorks | Source: County of San Bernardino 2017  
Related maps: Policy Map PP-1 Critical Facilities - Transportation (PP-1A), - Utility (PP-1C); and Policy Map PP-2 Evacuation Routes

# Policy Map PP-2 Evacuation Routes

-  County Region
-  Community Planning Area
-  Incorporated City/Town
-  Evacuation Routes



0 4 8 12 16 Miles  
Date: 7/6/2020 Created by PlaceWorks | Source: County of San Bernardino 2017  
Related maps: Policy Map PP-1 Critical Facilities - Transportation (PP-1A), - Public (PP-1B), - Utility (PP-1C)

**DRAFT**  **SAN BERNARDINO COUNTY** | **COUNTYWIDE PLAN**  
**POLICY PLAN**

Draft goals and policies from the Land Use, Housing, and Transportation Mobility Elements related to fire service/protection/planning

Element	Draft Goal/Policy
Land Use	<b>Goal LU-3 Annexations and Sphere Development</b> Annexations and development in spheres of influence that improve the provision of public services to incorporated and unincorporated residents and businesses.
Land Use	<b>Policy LU-3.1 Annexation of Unincorporated Areas</b> We support the annexation of unincorporated areas when it will result in a more effective and efficient provision of public services and a net fiscal benefit to the County.
Land Use	<b>Policy LU-4.2 Fire-Adapted Communities</b> We require new development in high or very high fire hazard severity zones to apply fire-resistant design techniques, including fuel modification areas, fire resistant landscaping, and fire-resistant building materials.
Land Use	<b>Policy LU-4.3 Native or Drought-Tolerant Landscaping</b> We require new development, when outside of high and very high fire hazard severity zones, to install and maintain drought-tolerant landscaping and encourage the use of native species.
Land Use	<b>Policy LU-4.4 Natural Topography in the Mountain Region</b> We require new development in the Mountain region to retain natural topography and minimize grading unless it is necessary to reduce exposure to natural hazards.
Land Use	<p><b>Policy LU-6.1 Residential Amendments that Increase Density in the Desert and Mountain Regions.</b> We discourage policy plan amendments that would permit new development on lots smaller than 2.5 acres in the Desert regions and lots smaller than one-half acre in the Mountain region. We approve general plan amendments that would increase residential density only if:</p> <ul style="list-style-type: none"> <li>-The proposed change is determined to be compatible in accordance with policies LU-2.1, 2.2, 2.3, and 4.5.</li> <li>-Adequate infrastructure and services are available concurrently.</li> <li>-The increase in density would not degrade existing levels of service for fire protection, sheriff, water, or wastewater service in the area.</li> </ul>
Housing	<b>Policy H-2.6 Critical Infrastructure</b> We ensure that the efficient provision of critical infrastructure accompanies residential development and the building of complete communities, and ensure that the costs are fairly apportioned to the development community.
Housing	<b>Policy H-3.1 Public Services, Amenities, and Safety</b> We support the provision of adequate and fiscally sustainable public services, infrastructure, open space, non-motorized transportation routes, and public safety for neighborhoods in the unincorporated area.
Housing	<b>Policy H-3.6 Neighborhood Improvements</b> We support comprehensive neighborhood efforts to address housing conditions, property maintenance, infrastructure repair, public safety, landscaping, and other issues affecting the livability of neighborhoods
Housing	<b>Policy M/H-1.1 Site Design</b> We regulate the density, mass, and height of residential development in hillside areas in order to reduce fire hazards, prevent erosion, preserve natural viewsheds, and maintain the forest character of the Mountain Region.
Transportation & Mobility	<b>Goal TM-1 Roadway Capacity</b> Unincorporated areas served by roads with capacity that is adequate for residents, businesses, tourists, and emergency services.
Transportation & Mobility	<b>Policy TM-1.4 Unpaved Roadways</b> The County does not accept new unpaved roads into the County Maintained Road System, and we require all-weather treatment for all new unpaved roads.
Transportation & Mobility	<b>Policy TM-1.8 Emergency Access</b> When considering new roadway improvement proposals for the CIP or RTP, we consider the provision of adequate emergency access routes along with capacity expansion in unincorporated areas. Among access route improvements, we prioritize those that contribute some funding through a local area funding and financing mechanism.