



Appendix E

Glossary

Defining the Parts of a General Plan

A general plan is made up of text describing goals and objectives, principles, standards, and plan proposals, as well as a set of maps and diagrams. Together, these constituent parts paint a picture of the community's future development. The following discussions help to clarify the meanings of these and other important terms.

Development Policy

A development policy is a general plan statement that guides action. In a broad sense, development policies include goals and objectives, principles, policies, standards, and plan proposals.

Diagram

A diagram is a graphic expression of a general plan's development policies, particularly its plan proposals. Many types of development policies lend themselves well to graphic treatment, such as the distribution of land uses, urban design, infrastructure, and geologic and other natural hazards.

A diagram must be consistent with the general plan text ([Gov. code §65300.5](#)) and should have the same long-term planning perspective as the rest of the general plan. The Attorney General has observed that "...when the Legislature has used the term 'map,' it has required preciseness, exact location, and detailed boundaries..." as in the case of the Subdivision Map Act. No such precision is required of a general plan diagram (67 Cal.Ops.Atty.Gen. 75,77).

As a general rule, a diagram or diagrams, along with the general plan's text, should be detailed enough so that the users of the plan, whether staff, elected and appointed officials, or the public, can reach the same general conclusion on the appropriate use of any parcel of land at a particular phase of a city's or county's physical development. Decision-makers should also be able to use a general plan, including its diagram or diagrams, in coordinating day-to-day land use and infrastructure decisions with the city's or county's future physical development scheme.

At the same time, given the long-term nature of a general plan, its diagram or diagrams and text should be general enough to allow a degree of flexibility in decision-making as times change. For example, a general plan may recognize the need for and desirability of a community park in a proposed residential area, but the precise location of the park may not be known when the plan is adopted. The plan would not need to pinpoint the location, but it should have a generalized diagram along with policies saying that the park site will be selected and appropriate zoning applied at the time the area is subdivided. In this sense, while zoning must be consistent with the general plan, the plan's diagram or diagrams and the zoning map are not required to be identical.



Goal

A goal is a general direction-setter. It is an ideal future end related to the public health, safety, or general welfare. A goal is a general expression of community values and, therefore, may be abstract in nature. Consequently, a goal is generally not quantifiable or time-dependent.

Although goals are not mentioned in the description of general plan contents in Government code section 65302, they are included here for several reasons. First, defining goals is often the initial step of a comprehensive planning process, with more specific objectives defined later, as discussed in Chapter 3. Second, goals are specifically mentioned in the statutes governing housing element contents (Gov. code §65583). Third, while the terms “goal” and “objective” are used interchangeably in some general plans, many plans differentiate between broad, unquantifiable goals and specific objectives. Either approach is allowable, as flexibility is a characteristic of the general plan.

Examples of goals:

- Quiet residential streets
- A diversified economic base for the city
- An aesthetically pleasing community
- A safe community

Goals should be expressed as ends, not actions. For instance, the first example above expresses an end, namely, “quiet residential streets.” It does not say, “Establish quiet residential streets” or “To establish quiet residential streets.”

Objective

An objective is a specified end, condition, or state that is an intermediate step toward attaining a goal. It should be achievable and, when possible, measurable and time-specific. An objective may pertain to one particular aspect of a goal or it may be one of several successive steps toward goal achievement. Consequently, there may be more than one objective for each goal.

Examples of objectives:

- The addition of 100 affordable housing units over the next five years
- A 25 percent increase in downtown office space by 2030
- A 50 percent reduction in the rate of farmland conversion over the next ten years
- A reduction in stormwater runoff from streets and parking lots

Principle

A principle is an assumption, fundamental rule, or doctrine guiding general plan policies, proposals, standards, and implementation measures. Principles are based on community values, generally accepted planning doctrine, current technology, and the general plan’s objectives. In practice, principles underlie the process of developing the plan but seldom need to be explicitly stated in the plan itself.

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Examples of principles:

- Mixed use encourages urban vitality
- The residential neighborhoods within a city should be within a convenient and safe walking distance of an elementary school
- Parks provide recreational and aesthetic benefits
- Risks from natural hazards should be identified and avoided to the extent practicable

Policy

A policy is a specific statement that guides decision-making. It indicates a commitment of the local legislative body to a particular course of action. A policy is based on and helps implement a general plan's vision.

A policy is carried out by implementation measures. For a policy to be useful as a guide to action it must be clear and unambiguous. Adopting broadly drawn and vague policies is poor practice. Clear policies are particularly important when it comes to judging whether or not zoning decisions, subdivisions, public works projects, etc., are consistent with the general plan.

When writing policies, be aware of the difference between “shall” and “should.” “Shall” indicates an unequivocal directive. “Should” signifies a less rigid directive, to be honored in the absence of compelling or contravening considerations. Use of the word “should” to give the impression of more commitment than actually intended is a common but unacceptable practice. It is better to adopt no policy than to adopt a policy with no backbone.

Solid policy is based on solid information. The analysis of data collected during the planning process provides local officials with the knowledge about trends, existing conditions, and projections that they need to formulate policy. If projected community conditions are not in line with a general plan's objectives, local legislative bodies may adopt policies that will help bring about a more desirable future.

Examples of policies:

- The city shall not approve a parking ordinance variance unless the variance pertains to the rebuilding of an unintentionally destroyed non-conforming use
- The city shall not approve plans for the downtown shopping center until an independently conducted market study indicates that the center would be economically feasible
- The city shall give favorable consideration to conditional use permit proposals involving adaptive reuse of buildings that are designated as “architecturally significant” by the cultural resources element

Standards

A standard is a rule or measure establishing a level of quality or quantity that must be complied with or satisfied. Standards define the abstract terms of objectives and policies with concrete specifications.

The Government Code makes various references to general plan standards. For example, §65302(a) states in part that the land use element must “...include a statement of the standards of population density and building intensity recommended for the various

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districts and other territory covered by the plan.” Other examples of statutory references to general plan standards include those found in §66477 (the Quimby Act) and §66479 (reservations of land within subdivisions). Of course, a local legislature may adopt any other general plan standards it deems desirable.

Examples of standards:

- High-density residential means 20 to 30 dwelling units per acre and up to 41 dwelling units per acre with a density bonus
- The first floor of all new construction shall be at least two feet above the base flood elevation

Plan Proposal

A plan proposal describes the development intended to take place in an area. Plan proposals are often expressed on the general plan diagram.

Examples of plan proposals:

- First Street and Harbor Avenue are designated as arterials
- The proposed downtown shopping center will be located within the area bound by D and G Avenues and Third and Fourth Streets
- A new parking structure shall be located in the vicinities of each of the following downtown intersections: First Street and A Avenue, and Fifth Street and D Avenue

Implementation Measure

An implementation measure is an action, procedure, program, or technique that carries out general plan policy. Each policy must have at least one corresponding implementation measure.

Examples of implementation measures:

- The city shall adopt a specific plan for the industrial park
- Areas designated by the land use element for agriculture shall be placed in the agricultural zone

Linking Objectives to Implementation

The following examples show the relationships among objectives, policies, and implementation measures. The examples are arranged according to a hierarchy from the general to the specific—from goals to implementation measures. In an actual general plan, there might be more than one policy under each objective, more than one implementation measure under each policy, etc.

Goal:

- A thriving downtown that is the center of the city’s retail and service commercial activities.

Objective:

- Development of a new regional shopping center in the downtown.

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Policy:

- The city shall not approve discretionary projects or building permits that could impede development of the downtown regional shopping center.

Implementation measures:

- The city shall adopt an interim zoning ordinance restricting further development in the general vicinity of the proposed downtown shopping center until a study has been completed determining its exact configuration.
- During the interim zoning period, the city shall adopt a special regional shopping center zoning classification that permits the development of the proposed downtown mall.
- Upon completion of the study, the city council shall select a site for the downtown mall and shall apply the shopping center zone to the property.

Goal:

- Affordable, decent, and sanitary housing for all members of the community.

Objective:

- 500 additional dwelling units for low-income households by 2010.

Policy:

- When a developer of housing within the high-density residential designation agrees to construct at least 30 percent of the total units of a housing development for low-income households, the city shall grant a 40 percent density bonus for the housing project.

Implementation measure:

- The city shall amend its zoning ordinance to allow for a 40 percent density bonus in the high-density residential zone.

Noise Related Definitions

Decibel, dB: A unit of measurement describing the amplitude of sound, equal to 20 times the logarithm to the base 10 of the ratio of the pressure of the sound measured to the reference pressure, which is 20 micropascals (20 micronewtons per square meter).

A-Weighted Level: The sound level in decibels as measured on a sound level meter using the A-weighting filter network. The A-weighting filter de-emphasizes the very low and very high frequency components of the sound in a manner similar to the response of the human ear and gives good correlation with subjective reactions to noise.

L10: The A-weighted sound level that is exceeded ten percent of the sample time. Similarly, L50, L90, etc.

Leq: Equivalent energy level. The sound level corresponding to a steady-state sound level containing the same total energy as a time-varying signal over a given sample period. Leq is typically computed over 1-, 8-, and 24-hour sample periods.



CNEL: Community Noise Equivalent Level. The average equivalent A-weighted sound level during a 24-hour day, obtained after addition of five decibels to sound levels in the evening from 7 p.m. to 10 p.m. and after addition of 10 decibels to sound levels in the night from 10 p.m. to 7 a.m.

Ldn: Day-Night Average Level. The average equivalent A-weighted sound level during a 24-hour day, obtained after the addition of 10 decibels to sound levels in the night after 10 p.m. and before 7 a.m. (Note: CNEL and Ldn represent daily levels of noise exposure averaged on an annual or daily basis, while Leq represents the equivalent energy noise exposure for a shorter time period, typically one hour.)

Noise Contours: Lines drawn about a noise source indicating equal levels of noise exposure. CNEL and Ldn are the metrics utilized herein to describe annoyance due to noise and to establish land use planning criteria for noise.

Ambient Noise: The composite of noise from all sources near and far. In this context, the ambient noise level constitutes the normal or existing level of environmental noise at a given location.

Intrusive Noise: That noise which intrudes over and above the existing ambient noise at a given location. The relative intrusiveness of a sound depends upon its amplitude, duration, frequency, and time of occurrence, and tonal or informational content as well as the prevailing noise level.

Noisiness Zones: Defined areas within a community wherein the ambient noise levels are generally similar (within a range of 5 dB, for example). Typically, all other things being equal, sites within any given noise zone will be of comparable proximity to major noise sources. Noise contours define different noisiness zones.

Safety Related Definitions

Alquist-Priolo Earthquake Fault Zone: A regulatory zone, delineated by the State Geologist, within which site-specific geologic studies are required to identify and avoid fault rupture hazards prior to subdivision of land and/or construction of most structures for human occupancy.

Climate Adaptation: Adjustment or preparation of natural or human systems to a new or changing environment that moderates harm or exploits beneficial opportunities.

Climate Mitigation (Greenhouse Gas Emissions Reductions): A human intervention to reduce the human impact on the climate system; it includes strategies to reduce greenhouse gas sources and emissions and enhancing greenhouse gas sinks. Refer to Chapter 7, Climate Change, for more information.

Critical Facility: Facilities that either (1) provide emergency services or (2) house or serve many people who would be injured or killed in case of disaster damage to the facility. Examples include hospitals, fire stations, police and emergency services facilities, utility facilities, and communications facilities.

Extreme Weather Event: In most cases, extreme weather events are defined as lying in the outermost (“most unusual”) ten percent of a place’s history. Analyses are available at the national and regional levels.



Fault: A fracture or zone of closely associated fractures along which rocks on one side have been displaced with respect to those on the other side. A fault zone is a zone of related faults which commonly are braided, but which may be branching. A fault trace is the line formed by the intersection of a fault and the earth's surface.

Active Fault: A fault that has exhibited surface displacement within Holocene time (approximately the past 11,000 years).

Potentially Active Fault: A fault that shows evidence of surface displacement during Quaternary time (the last 2 million years).

Flooding: A rise in the level of a water body or the rapid accumulation of runoff, including related mudslides and land subsidence, that results in the temporary inundation of land that is usually dry. Riverine flooding, coastal flooding, mud flows, lake flooding, alluvial fan flooding, flash flooding, levee failures, tsunamis, and fluvial stream flooding are among the many forms that flooding takes.

Ground Failure: Mudslide, landslide, liquefaction or soil compaction.

Hazardous Building: A building that may be hazardous to life in the event of an earthquake because of partial or complete collapse. Hazardous buildings may include:

1. Those constructed prior to the adoption and enforcement of local codes requiring earthquake resistant building design.
2. Those constructed of unreinforced masonry.
3. Those which exhibit any of the following characteristics:
 - exterior parapets or ornamentation which may fall on passersby
 - exterior walls that are not anchored to the floors, roof or foundation
 - sheeting on roofs or floors incapable of withstanding lateral loads
 - large openings in walls that may cause damage from torsional forces
 - lack of an effective system to resist lateral forces
 - non-ductile concrete frame construction

Hazardous Material: An injurious substance, including pesticides, herbicides, toxic metals and chemicals, liquefied natural gas, explosives, volatile chemicals, and nuclear fuels.

Hazard Mitigation: Sustained action taken to reduce or eliminate long-term risk to people and their property from hazards and their effects.

Landslide: A general term for a falling, sliding, or flowing mass of soil, rocks, water, and debris. Includes mudslides, debris flows, and debris torrents.

Liquefaction: A process by which water-saturated granular soils transform from a solid to a liquid state during strong ground shaking.



Maladaptation: Any changes in natural or human systems that inadvertently increase vulnerability to climatic stimuli; an adaptation that does not succeed in reducing vulnerability but increases it instead.

Natural Infrastructure: The preservation or restoration of ecological systems, or utilization of engineered systems that use ecological processes, to increase resiliency to climate change, manage other environmental hazards, or both. This may include, but is not limited to, floodplain and wetlands restoration or preservation, combining levees with restored natural systems to reduce flood risk, and urban tree planting to mitigate high heat days.

Peakload Water Supply: The supply of water available to meet both domestic water and fire fighting needs during the particular season and time of day when domestic water demand on a water system is at its peak.

Resilience: The ability of a social or ecological system to absorb disturbances while retaining the same basic structure and ways of functioning, the capacity for self-organization, and the capacity to adapt to stress and change.

Seiche: An earthquake-induced wave in a lake, reservoir, or harbor.

Seismic Hazard Zone: A regulatory zone, delineated by the State Geologist, within which site-specific geologic, soils, and foundation engineering studies are required to identify and avoid earthquake-caused ground-failure hazards, or selected other earthquake hazards, prior to subdivision of land and for construction of most structures for human occupancy.

Storm surge: An abnormal rise of water generated by a storm, over and above the predicted astronomical tides.

Subsidence: The gradual, local settling or sinking of the earth's surface with little or no horizontal motion (subsidence is usually the result of gas, oil, or water extraction, hydrocompaction, or peat oxidation, and not the result of a landslide or slope failure).

Seismically Induced Surface Rupture: A break in the ground's surface and associated deformation resulting from the movement of a fault.

Tsunami: A wave, commonly called a tidal wave, caused by an underwater seismic disturbance, such as sudden faulting, landslide, or volcanic activity.

Wildland Fire: A fire occurring in a suburban or rural area that contains uncultivated lands, timber, range, watershed, brush or grasslands. This includes areas where there is a mingling of developed and undeveloped lands.

Flood Management: The overarching term that encompasses both floodwater management and floodplain management.

Floodwater Management: Floodwater management includes actions to modify the natural flow of floodwaters to reduce losses to human resources and/or to protect benefits to natural resources associated with flooding. Examples of floodwater management actions include containing flows in reservoirs, dams, and natural basins; conveying flows via levees, channels, and natural corridors; managing flows through reservoir reoperation; and managing watersheds by decreasing rainfall runoff and providing headwater stream protection.



Floodplain Management: Floodplain management includes actions to the floodplain to reduce losses to human resources within the floodplain and/or to protect benefits to natural resources associated with flooding. Examples of floodplain management actions include minimizing impacts of flows (e.g., flood-proofing, insurance); maintaining or restoring natural floodplain processes (e.g., riparian restoration, meander corridors, etc.); removing obstacles within the floodplain voluntarily or with just compensation (e.g., relocating at-risk structures); keeping obstacles out of the floodplain (through subdivision and zoning decisions); education and emergency preparedness planning (e.g., emergency response plans, data collection, outreach, insurance requirements, etc.); and ensuring that operations of floodwater management systems are not compromised by activities in the floodplain.