

# 11

## HEALTH AND SAFETY

### 11.1 GENERAL GOALS

#### **HS-1 To protect the community from injury and damage resulting from natural catastrophes and hazardous conditions.**

##### **HS-1.1 Development Constraints**

The City shall permit development only in areas where the potential danger to the health and safety of people can be mitigated to an acceptable level.

##### **HS-1.2 Maintain Emergency Public Services**

The City shall ensure that during natural catastrophes and emergencies the City can continue to provide essential emergency public services, including potential emergency shelters and building inspection officials.

##### **HS-1.3 Continue to Update Building and Fire Codes**

The City shall continue to update building, fire, and other codes to address earthquakes, fire, and other hazards.

##### **HS-1.4 Promote Hazard Awareness**

The City shall continue to promote awareness and caution among city residents regarding possible natural hazards, including soil conditions, earthquakes, flooding, and fire hazards. The City shall develop a risk awareness program for potential disasters from earthquakes, soil liquefaction, flooding, severe air quality hazards, fire and explosion, and vulnerability to terrorist activity. A public training and assistance programs shall be funded and developed. This shall be accomplished through the implementation of a provision for the use of adaptive management process in the Safety Element to ensure the City uses science-based standards (e.g. levels of confidence of predictions).

##### **HS-1.X Not Rely on State and Federal Government for Immediate Response [New Policy]**

The City shall adopt emergency response plans that recognize that the State and Federal governments are not likely to immediately come to the city's rescue in case of a major disaster.

##### **HS-1.5 Coordinate Disaster Planning Activities**

The City shall continue to coordinate disaster preparedness planning with other public agencies and organizations. The City shall work aggressively with San Joaquin County, the County Office of Emergency Services, the other cities, and disaster agencies to coordinate disaster preparedness planning.

##### **HS-1.X Plan for When Disaster Will Occur, Not If it Will Occur [New Policy]**

The City shall adopt policies which recognize that predicted disasters such as flooding and earthquakes will occur, that its only a matter of time and whether or not we are prepared for it.

**HS-1.X Emergency Support Groups [New Policy]**

The City shall develop neighborhood watch and emergency support groups to be trained and put into action under an emergency in support of government staff. The City shall develop maps and conduct frequent local meetings to keep citizens up to date on preparedness conditions in their neighborhoods. The City should update citizens on progress of implementation of the Safety Element as well as code enforcement.

**11.2 NOISE**

[No changes.]

**11.3 GEOLOGIC AND SEISMIC HAZARDS****HS-3 To protect the community from the hazards of expansive soils, seismic dangers, including threats from liquefaction potential of soils, and other geologic activity.****HS-3.1 Seismic Safety of Structures and Public Facilities**

The City shall require that new structures intended for human occupancy, public facilities (i.e., treatment plants and pumping stations, major communication lines, emergency shelters evacuation routes, etc.), and emergency/disaster facilities (i.e., police and fire stations, etc.) are designed and constructed to minimize risk to the safety of people due to ground shaking, soil subsidence, and liquefiable soils. [New Policy].

**HS-3.2 Development in Areas Subject to Geologic Hazards**

The City shall require all proposed developments, reconstruction, utilities, or public facilities situated within areas subject to geologic-seismic hazards as identified in the soils engineering and geologic seismic analysis to be sited, designed, and constructed to mitigate the risk associated with the hazard (e.g., expansive, liquefaction, etc.). [New Policy].

**HS-3-X Comprehensive Update of Hazards [New Policy]**

The City shall initiate a comprehensive study and update of the potential geologic hazards within the entire planning area. This shall include Alquist/Priolo zones as well as Flood Insurance elevation zones.

**HS-3.3 Uniform Building Code**

The City shall require that alterations to existing buildings and all new buildings be built according to the seismic requirements of the Uniform Building Code. [New Policy].

**HS-3.4 Seismic Retrofitting**

The City shall support and encourage seismic upgrades to older buildings that may be structurally deficient. [New Policy].

**HS-3.5 Development within the Primary Zone and Secondary Zone of the Delta**

The City shall continue to support the State policy restricting development within the primary zone of the Delta due to soil limitations and other hazards (e.g., liquefaction, subsidence, shrink-swell). No further development shall be considered or allowed within the Primary and Secondary zones of the Delta Protection Zone. The City shall prepare maps identifying all properties within the jurisdiction of the

Delta Protection Commission. These maps shall include the Army Corps elevation locations and 500-year flood zones. All applications for development within the Primary and Secondary Zones shall be referred for review by the Delta Protection Commission and the SF Bay Delta Authority. The city will develop an overlay zone in the Land Use Element to identify the protection zones.

### **HS 3.X Earthquake Danger and Delta Levee Failure Modeling [New Policy]**

The City shall recognize that it is not known what might happen if the faults crossing the Delta were to experience a maximum credible rupture, as suggested by a recent State Department of Water Resources report (11/1/05, PL84-99). Thus, the City shall prepare a “worst case” computer simulation and risk analysis or have the Army Corps of Engineers run a test at the Bay/Delta Model in Sausalito to determine the level of protection needed in the inevitable likelihood of a catastrophic disaster from earthquake or storm induced waves that could challenge the Delta’s levees.

### **HS-3.6 Seismic Upgrades**

The City shall inventory unreinforced masonry structures, including emergency facilities and other critical facilities constructed prior to 1948, used for human occupancy (excluding single family residential structures), and evaluate the facilities for seismic safety. If found below acceptable standards the City shall implement a program to mitigate potential hazards. *[New Policy]*.

### **HS-3.7 Alquist-Priolo Act Compliance**

The City shall not permit any structure for human occupancy to be placed within designated Earthquake Fault Zones (pursuant to and as determined by the Alquist-Priolo Earthquake Fault Zoning Act; Public Resources Code, Chapter 7.5) unless the specific provisions of the Act and Title 14 of the California Code of Regulations have been satisfied. *[New Policy]*.

## **11.6 FLOOD HAZARDS**

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### **HS-6 To minimize the risk to the community from flooding.**

#### **~~HS-6.1 New Urban Development~~**

~~The City shall approve new urban development only when the project is shown to be protected from a 100-year flood.~~

#### **~~HS-6.2 Existing Urban Development~~**

~~The City shall investigate, and implement when feasible, mitigation measures that offer protection from flooding for existing urban development with a 100-year flood zone.~~

#### **~~HS-6.3 Preservation of Floodway and Floodplains~~**

~~The City shall preserve floodways and floodplains for non-urban uses, except that development may be allowed in a floodplain with mitigation measures that are in conformance with the City’s floodplain management program.~~

#### **HS-6.1 Immediate Identification of 500-Year Flood Hazards**

In cooperation with other agencies, the City shall immediately begin an assessment of the potential for a 500-year storm, and shall urge FEMA to immediately identify risks in areas behind Delta levees, including the San Joaquin River.

**HS-6.2 Levee Improvement Plan**

The City shall prepare and adopt a Levee Improvement Plan as part of the General Plan update.

**HS-6.3 Certification of Levee Safety for New Urban Development**

The City shall certify the safety of existing or proposed levees for all new development adjacent to the San Joaquin River and other Delta levees, prior to any approval. The certification shall be a part of the environmental review process. The City shall not approve any development adjacent to a levee and/or within the flood plain unless the safety of the area for urban uses has been certified and the area is included within a Flood Insurance zone, as recommended.

**HS-6.4 Emergency Evacuation Plans**

The City shall formulate emergency management plans for the safe evacuation of people from areas subject to inundation from dam failure. Plans shall be reviewed and periodically updated and publish them on the City website.

**HS-6.5 Levee Maintenance**

The City shall encourage reclamation districts to institute an annual levee inspection and maintenance program to reduce levee failures. In addition, the City shall initiate a program to pool funds for levee improvements by requiring new development to contribute funds to regional levee improvements.

**HS-6.6 Flood Insurance Program**

The City shall continue to participate in the National Flood Insurance Program and shall require all new development to participate in the program.

**HS-6. X Cooperate and Support Regional Programs [New Policy]**

The City shall support recommendations of the programs of the Delta Protection Commission and the SF Bay Delta Authority to address flood control.

**HS-6.7 Roadway System**

The City shall require that roadway systems for areas protected from flooding by levees be designed to provide multiple escape routes for residents in the event of a levee failure. *[New Policy]*.

**11.7 EMERGENCY OPERATIONS PLAN****HS-7 To develop and maintain emergency preparedness programs and emergency health services in order to protect the public.****HS 7-1 Coordinated Emergency Response System**

The City shall coordinate with local, state, and federal agencies to establish, maintain, and test a coordinated emergency response system that addresses a variety of hazardous and threatening situations. The city shall conduct real-life exercises and simulations of disasters that will include participation by city residents.