

APPENDIX

A

IMPLEMENTATION PROGRAM

SAFETY ELEMENT

The Implementation program for the General Plan will be included as an appendix. This section is included solely for City staff review. This program will be located in an appendix in subsequent drafts.

Each implementation program is a procedure, program, or technique that requires City action, either alone or in collaboration with non-City organizations or state and federal agencies. Some of the implementation programs are processes or procedures the City currently administers on a day-to-day basis (such as development project review), while others identify new programs or projects. Completion of the identified programs will be subject to funding availability.

I. SEISMIC HAZARD MITIGATION IN HIGH-RISK AREAS

Develop hazard mitigation approaches for areas with identified geological, seismic-related, or other natural hazards to minimize potential future damage. Require detailed site investigations and geological studies for proposed structures in high risk areas such as the Palos Verdes fault zone and the bluffs south of Pacific Coast Highway.

Responsible Agency:	Community Development Department
Funding Source:	General Fund; Development Review fees
Time Frame:	Ongoing
Related Policies:	S.1.1, S.1.2, S.1.3, S.1.4

2. SEISMIC SAFETY STUDIES

During review of development and redevelopment proposals, require surveys of soil and geologic conditions by state-licensed Engineering Geologists and/or Civil Engineers, as appropriate. Examples of when these surveys are required are: (1) for projects within state-delineated earthquake fault regulatory zones for liquefaction, fault ruptures, and seismically induced landsliding, in accordance with the California Geologic Survey; and (2) prior to the development of any area with slopes more than 10 feet high at a gradient equal to or steeper than 2:1.

Ensure that site-specific seismic analysis is conducted for sites which use or store acute hazardous materials.

Responsible Agency: Community Development Department, Fire Department
Funding Source: General Fund; Development Review fees
Time Frame: Ongoing
Related Policies: S.1.1, S.1.2, S.1.3, S.1.4

3. SAFETY AND BUILDING CODES

Continue to update and enforce City building codes governing seismic safety, structural design, and grading. Require that new structures be designed and constructed to meet or exceed the minimum performance standards based on the latest building codes and City regulations.

Responsible Agency: Community Development Department
Funding Source: General Fund, Development Review Fees
Time Frame: Ongoing
Related Policies: S.1.1, S.1.2, S.1.3, S.1.4

4. SEISMIC SAFETY PROGRAM

Implement a seismic safety program to mitigate seismic hazards. Program components will include:

- An inventory of high-risk structures
- An inventory of seismic upgrade needs of critical facilities
- A directory of resources for performing small-scale seismic upgrades such as bracing water heaters, anchoring furniture and appliances, and installing gas shut-off valves
- A low interest, short-term home improvement loan program for those homeowners who otherwise cannot afford to modify or strengthen their homes to provide improved earthquake safety. Eligible

modifications include, but are not limited to, major retrofitting, anchoring homes to foundations, repairing previously damaged or vulnerable foundations, and bracing vulnerable walls, such as cripple walls.

Responsible Agency: Community Development Department
Funding Source: General Fund; State and federal grants
Time Frame: Ongoing
Related Policies: S.1.1, S.1.2, S.1.3, S.1.4

5. RESERVOIR SAFETY

Review the design of the Ben Haggott and the Walteria reservoirs to assess their ability to withstand ground accelerations from nearby faults without damage that could lead to inundation.

Responsible Agency: Public Works Department
Funding Source: General Fund
Time Frame: 1-3 years
Related Policies: S.1.1, S.1.2, S.1.3, S.1.4, S.1.5

6. ADEQUATE FLOOD CONTROL FACILITIES

Require the construction of appropriate flood control facilities for development projects. As needed, require hydrology studies to determine required flood/storm control facilities for future development projects, and require that recommendations of the studies be incorporated into the design of projects. Update the master drainage plan concurrently as development occurs.

Responsible Agency: Public Works Department
Funding Source: Developer financing and fees; General Fund
Time Frame: Ongoing
Related Policies: S.1.1, S.1.4, S.1.5

7. FLOOD CONTROL PROGRAM

Establish a city-wide flood control program. The program will:

- Identify flood control improvements for existing flood hazards and potential hazards from new development, and establish a schedule and funding sources for improvements.
- Identify storm drains that need to be upgraded and establish a consistent storm drain maintenance schedule.

Appendix A: Implementation Program

Responsible Agency: Public Works Department
Funding Source: General Fund
Time Frame: Ongoing
Related Policies: S.1.5

8. FLOOD CONTROL COORDINATION

Coordinate with the Los Angeles County Flood Control District (LACFCD) to ensure regularly scheduled maintenance of flood control channels and completion of necessary repairs. Coordinate with the Army Corp of Engineers on any plans to improve flood control facilities affecting Torrance.

Responsible Agency: Public Works Department\
Funding Source: General Fund; Federal grants
Time Frame: Ongoing
Related Policies: S.1.5

9. FIRE SAFETY CODES

Adopt and enforce the latest building construction, safety, and fire codes, and amendments to guide future development, and continue to update and amend building and fire codes as necessary with respect to safety considerations, including but not limited to the following:

- Access for emergency vehicles
- Automatic fire control and safety systems
- Brush clearance
- Emergency water supply

Agency/Department: Community Development Department, Fire Department
Funding Source: General Fund
Time Frame: Ongoing
Related Policies: S.2.1, S.2.2, S.2.3, S.2.4, S.6.3

10. OIL SAFETY COORDINATION

Cooperate with the California Department of Conservation, Division of Oil, Gas, and Geothermal Resources and the City of Torrance Fire Department to protect residents from dangers resulting from the drilling, operation, maintenance, and abandonment of oil, gas, and geothermal wells.

Ensure compliance with State regulations regarding abandoned oil facilities, including idle and orphan wells.

Agency/Department: Public Works Department, Fire Department
Funding Source: General Fund; developer fees
Time Frame: Ongoing
Related Policies: S.3.1, S.3.2, S.3.3, S.3.5

11. OIL WELL SAFETY

Minimize hazards associated with oil production in Torrance by:

- Requiring adequate containment berms around all tanks and facilities
- Capturing non-conforming wells adjacent to residential uses and putting in secondary recovery units when possible
- Designating certain wells as future observation and pressure reduction wells.
- Locating new producing well bottom holes near abandoned wells to minimize pressure buildup.
- Requiring the provision of oil field gas venting systems in buildings constructed over abandoned wells.
- Requiring that requests for permits involving oil production indicate the use of the latest and most advanced oil recovery technology.
- Surveying bi-annually, with meters, all primary oil production facilities, and any idle or abandoned well heads, to determine if gas leakage is occurring.
- Require that contingency plans that pertain to the safe operations for oil operations be filed with the City prior to their approval.
- Request that oil transmission lines be routinely inspected with a representative of the appropriate City department present and with all test results communicated to the City.
- Review periodically the City's procedures for regulating oil recovery.

Agency/Department: Public Works Department, Fire Department
Funding Source: General Fund; developer and property owner fees and assessments
Time Frame: Ongoing
Related Policies: S.3.1, S.3.2, S.3.3, S.7.2

12. OIL WELL MONITORING

Monitor conditions within the Torrance oil field, with participation by oil producers, to be aware of possible subsidence, changes in fluid pressure that could cause seepage, or any other possible dangers. Monitoring should include regular surface leveling surveys for subsidence, and regular fluid level surveys for zone pressure data. Monitor pressure in oil reservoirs at representative areas throughout the field.

Appendix A: Implementation Program

Agency/Department: Public Works Department
Funding Source: General Fund; developer and property owner fees and assessments
Time Frame: Ongoing
Related Policies: S.3.1, S.3.2, S.3.3

13. OIL WELL ABANDONMENT

Notify State Division of Oil and Gas of well abandonment so the agency can check abandoned well site for methane before allowing new construction.

Agency/Department: Fire Department, Community Development Department
Funding Source: General Fund
Time Frame: Ongoing
Related Policies: S.3.1, S.3.2, S.3.3

14. HAZARDOUS MATERIALS COORDINATION

Coordinate with the Los Angeles County Fire Department Health Hazardous Materials Division to identify and mitigate hazardous materials hazards, educate the public about hazardous waste disposal programs, and ensure that future projects with a hazardous material component be shown to be consistent and in compliance with the County's Hazardous Waste Management Plan. Coordinate with the Certified Unified Program Agencies (CUPA) to ensure compliance with state and local requirement.

Continue to coordinate with the Los Angeles County Department of Public Works to ensure adequate access for Torrance residents to the County's Hazardous Waste Collection events.

Agency/Department: Public Works Department, Fire Department, Community Development Department
Funding Source: General Fund
Time Frame: Ongoing
Related Policies: S.4.1, S.4.2, S.4.3

15. HAZARDOUS MATERIALS HAZARD MITIGATION

Minimize exposure of residents to hazardous materials by:

- Requiring proposed projects undergo a rigorous site-specific assessment and permit process to assess exposure to hazardous materials and ensuring compliance with criteria for hazardous waste facility siting in the City's Municipal Code

- Identifying roadway transportation routes for conveyance of hazardous materials

Agency/Department: Public Works Department, Community Development Department
Funding Source: General Fund; developer fees; Fire Department, Hazardous Materials Fees
Time Frame: Ongoing
Related Policies: S.4.1, S.4.2, S.4.3

16. AIRPORT SAFETY TRAINING

Minimize hazards associated with aircraft operations through training for airport and first responder personnel. Continue training for airport operations personnel, which shall include the topic of Incident Command System (ICS) to allow for coordination with other emergency service departments. Continue training personnel in the Fire Department to respond to mass casualty events and require Fire Department personnel to complete training in “General Aviation Firefighting for Structural Firefighters”, which will train firefighters to respond effectively to aircraft-related accidents. Records substantiating training effort should be maintained.

Agency/Department: General Services Department, Fire Department
Funding Source: General Fund
Time Frame: On-going
Related Policies: S.5.1, S.5.2, S.5.3, S.7.7

17. AIRPORT SAFETY

Provide for the highest level of safety and security at Torrance Municipal Airport by completing a safety audit to evaluate and identify safety issues related to aircraft operations and airport security.

Agency/Department: General Services Department, Fire Department
Funding Source: General Fund
Time Frame: Completed in 2006; update periodically
Related Policies: S.5.1, S.5.2, S.5.3, S.5.4, S.7.7

18. ADEQUATE PUBLIC SAFETY AND EMERGENCY RESPONSE.

Evaluate the need for additional fire and police facilities or resources to meet citywide need and serve new development projects. Coordinate with service providers to evaluate the level of fire and police service provided to the community.

Appendix A: Implementation Program

Minimize conflicts between fire stations locations and residential neighborhoods to ensure that fire department vehicles have ample access to and from the station. Require adequate street widths and clearance for emergency access.

Provide a maximum five-minute response time to any emergency incident.

Agency/Department: Fire Department, Police Department
Funding Source: General Fund
Time Frame: Ongoing
Related Policies: S.3.5, S.4.3, S.6.2, S.6.4, S.6.5

19. PUBLIC SAFETY AND EMERGENCY RESPONSE RESOURCES

Complete and assessment of the capital and resources needs for police, fire, and emergency services providers. Identify land acquisition needs for emergency services providers.

Complete the Public Safety Dispatch consolidation to include hiring Public Safety Dispatch supervisors and dispatchers to enabling police officers and firefighters to return to their established duties.

Agency/Department: Fire Department, Police Department
Funding Source: Development Impact Fees, General Fund
Time Frame: 3-5 years
Related Policies: S.6.1., S.6.2, S.6.4, S.6.5, S.7.7, S.7.10

20. SAFETY FACILITIES

Identify funding for a new Police facility or for the renovation and expansion of the current facility.

Continue to assess the need for, and, if justified, construct a fire station in the east-central area of the City and the relocation of stations. Provide an improved fire training ground and facilities. Establish and maintain a fire training program in conjunction with other cities.

Establish a dedicated, full-time Emergency Operation Center (EOC) and an alternative EOC that will be fully functional in the event the Primary EOC is unusable.

Establish a regional animal shelter to address the increasing animal services demand.

Agency/Department: Fire Department, Police Department
Funding Source: Development Impact Fees, General Fund
Time Frame: Ongoing
Related Policies: S.6.5, S.7.11

21. SAFETY SERVICES TECHNOLOGY

Pursue acquisition of safety services-related technology to improve the effectiveness of the City’s emergency prevention and response and crime prevention programs. Acquire technology such as crime analysis and reporting equipment, public notification systems, and provide appropriate staffing levels.

Agency/Department: Fire Department, Police Department
Funding Source: Development Impact Fees, General Fund
Time Frame: Ongoing
Related Policies: S.6.1, S.7.7

22. TORRANCE POLICE DEPARTMENT

Establish a Community Affairs Division within the Police Department to address the increasing needs of the community and to assist in the implementation of the Police Department’s Focus Based Policing approach. Identify staffing, office space, and budgetary needs to effectively implement the division.

Enhance the Emergency Services Division of the Police Department to address the increasing interest and demand for information, training, exercises, and response to emergencies. Augment Emergency Services Division staff to allow for an appropriate distribution of work that will meet the expectations of the City and community.

Convert sworn positions in the Police Department to improve technical knowledge, reduce labor costs, and increase job satisfaction and retention for civilian personnel.

Agency/Department: Police Department
Funding Source: Development Impact Fees, General Fund
Time Frame: Ongoing
Related Policies: S.6.1, S.6.5, S.6.6, S.7.1

23. FIRE SAFETY

Establish and continue the appropriate number of annual inspections of manufacturing, commercial, and public assemblies for the purpose of fire safety. Continue Fire Department review of all new development proposals for the determination of fire prevention measures, mitigation, and fire operation needs as far in advance of construction date as possible. Evaluate the location of fire stations and relocate property, as needed.

Agency/Department: Fire Department, Community Development Department
Funding Source: Development Impact Fees; General Fund
Time Frame: Ongoing
Related Policies: S.6.1, S.6.2, S.6.3, S.6.4

24. EMERGENCY WATER SUPPLY

Provide new water storage facilities as needed and improve existing ones to ensure an adequate supply of water and water pressure to meet emergency and fire-fighting needs. Establish a plan to increase the amount of water available to the City in the case of an emergency. Implement action items related to emergency water supply in the City's Urban Water Management Plan. Maintain a close working relationship with all other purveyors to maximize available water in case of emergency.

Agency/Department: Fire Department, Public Works Department
Funding Source: General Fund; state and federal grants and loans
Time Frame: 3-5 years; ongoing
Related Policies: S.2.2, S.7.5, S.7.6

25. EMERGENCY PREPAREDNESS FOR HIGH-RISK FACILITIES

Require that high-risk facilities such as oil production facilities, railroads, utility facilities, hospitals, schools, government buildings, water facilities, hazardous materials critical facilities, petroleum refining, larger chemical users, and adult care facilities maintain emergency preparedness plans. Require that facilities with a high level of human activity retain an adequate amount of emergency supplies.

Agency/Department: Fire Department
Funding Source: General Fund
Time Frame: 3-5 years; ongoing
Related Policies: S.7.2, S.7.3, S.7.7, S.7.10

26. EMERGENCY COMMUNICATION

Emergency communication will be vital to minimizing loss of life and property in the event of an emergency. Provide an adequate emergency and disaster communication system that provides intra- and inter-agency operability for operating departments and agencies. Provide an uninterrupted emergency power supply for citywide computer system that will minimize dependence on fixed power lines.

Agency/Department: Fire Department, Police Department, Communication and Information Technology Department, Public Works Department
Funding Source: General Fund; State and federal grants and loans
Time Frame: 3-5 years; ongoing
Related Policies: S.6.1, S.7.4, S.7.7

27. EMERGENCY PLANS AND PROCEDURES

Annually evaluate the City’s emergency preparedness plans and procedures to provide for adequate police, fire, and protection services in event of an emergency. Ensure compliance with the requirements and provisions of the National Interagency Incident Management System. Conduct exercises to perfect and test emergency preparedness procedures.

Agency/Department: Fire Department, Police Department
Funding Source: General Fund
Time Frame: Annually
Related Policies: S.7.1, S.7.2, S.7.3, S.7.4, S.7.7, S.7.9, S.7.10

28. COMMUNITY SAFETY PROGRAMS

Use public education activities to inform residents, businesses, and City staff about:

- Earthquake preparedness and response procedures
- Fire hazard education and fire prevention programs
- Community policing and crime prevention
- Hazardous materials handling and disposal

Enhance the City’s Neighborhood Watch program to include Community Emergency Preparedness. Expand the City’s Disaster Service Volunteer program.

Appendix A: Implementation Program

Agency/Department: Fire Department, Police Department,
Community Development Department,
Community Services Department
Funding Source: General Fund
Time Frame: Ongoing
Related Policies: S.6.6, S.7.1, S.7.7, S.7.8, S.7.10

29. CRIME PREVENTION THROUGH ENVIRONMENTAL DESIGN (CPTED)

Implement CPTED features with the establishment of specific design criteria, and apply those criteria to proposed projects through the development review process. Integrate the Police Department in the development review process for public areas relative to building and site plan vulnerabilities to criminal activity and suggested design criteria to mitigate such vulnerabilities.

Agency/Department: Police Department, Community Development
Department, Community Services Department
Funding Source: General Fund
Time Frame: 3-5 years
Related Policies: S.7.7, S.7.8