

## SAFETY ELEMENT POLICY MATRIX

Reference	Statement	Staff Comments	Comments from Committee Members
<b>Goal 1</b>	<b>A Safe Community</b> It is the goal of San Rafael, as the first priority for city government, to provide excellent fire, public safety, and paramedic services and to be prepared in the case of disaster or emergency. San Rafael residents deserve to feel safe and secure wherever they live, work, and play.	<i>Although this goal remains valid, it only deals with one aspect of safety (fire, police, EMS) and does not cover the broader issue of hazard mitigation. Consider having three safety goals—one relating to reducing and mitigating hazards, one related to emergency preparedness/response and recovery, and a third relating to fire, public safety, and paramedic services (e.g., this goal).</i>	
<b>Policy S-1</b>	<b>Location of Future Development</b> Permit development only in those areas where potential danger to the health, safety, and welfare of the residents of the community can be adequately mitigated.	<i>Policy is still valid, but definition of “adequately mitigated” may need to be clarified in the narrative, vis a vis wildfire and sea level rise.</i>	
<b>Program S-1a</b>	<b>Entitlement Process.</b> Through the entitlement process, evaluate applications for geo-seismic and hazardous materials dangers and require appropriate mitigations.	<i>List of potential hazards should be expanded (to include wildfire risk and flooding)</i>	
<b>Policy S-2</b>	<b>Location of Public Improvements</b> Avoid locating public improvements and utilities in areas with identified flood, geologic, and/or soil hazards to avoid any extraordinary maintenance and operating expenses. When the location of public improvements and utilities in such areas cannot be avoided, effective mitigation measures will be implemented.	<i>Carry forward and add a companion policy on retrofitting (or in extreme cases, relocating) public improvements that are especially vulnerable to hazards, including sea level rise</i>	
<b>Policy S-3</b>	<b>Use of Hazard Maps in Development Review</b> Review Slope Stability, Seismic Hazard, and Flood Hazard Maps at the time a development is proposed. Undertake appropriate studies to assure identification and implementation of mitigation measures for identified hazards.	<i>Edit to specifically note that flood hazard maps should include sea level rise maps</i>	

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<b>Policy S-4</b>	<b>Geotechnical Review</b> Continue to require geotechnical investigations for development proposals as set forth in the City's Geotechnical Review Matrix (Appendix F). Such studies should determine the actual extent of geotechnical hazards, optimum design for structures, the advisability of special structural requirements, and the feasibility and desirability of a proposed facility in a specified location.	<i>Policy remains valid. Should discuss whether Appendix F should be integrated back into the Safety Element (as it was in GP 2000) and if the Appendix F criteria need to be modified (through a future action program).</i>	
<b>Program S-4a</b>	<b>Geotechnical Review of Proposed Development.</b> Require soils and geologic peer review of development proposals in accordance with the Geotechnical Review Matrix to assess such hazards as potential seismic hazards, liquefaction, landsliding, mudsliding, erosion, sedimentation and settlement in order to determine if these hazards can be adequately mitigated. Levels of exposure to seismic risk for land uses and structures are also outlined in the Geotechnical Review Matrix, which shall be considered in conjunction with development review.	<i>Program remains valid. Carry forward.</i>	
<b>Program S-4b</b>	<b>Geotechnical Review Matrix.</b> Periodically review and update the Geotechnical Review Matrix, which describes procedures for site-specific investigations for projects being reviewed according to proposed occupancy, type and hazard zone(s) within which the site is located.	<i>Program remains valid. Carry forward. Are there any changes to the Matrix that should be made at this time? (consult Local Hazard Mitigation Plan)</i>	
<b>Policy S-5</b>	<b>Minimize Potential Effects of Geological Hazards.</b> Development proposed within areas of potential geological hazards shall not be endangered by, nor contribute to, the hazardous conditions on the site or on adjoining properties. Development in areas subject to soils and geologic hazards shall incorporate adequate mitigation measures. The City will only approve new development in areas of identified hazard if such hazard can be appropriately mitigated.	<i>Policy remains valid. Potentially bolster this with new language from the Local Hazard Mitigation Plan (LHMP)</i>	

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<b>Policy S-6</b>	<b>Seismic Safety of New Buildings</b> Design and construct all new buildings to resist stresses produced by earthquakes. The minimum level of seismic design shall be in accordance with the most recently adopted building code as required by State law.	<i>Remains valid. Check LHMP for potential updated language.</i>	
<b>Program S-6a</b>	<b>Seismic Design.</b> The minimum seismic design of structures should be in accordance with the building code, as adopted in accordance with State law.	<i>This is required by State law. Consider replacing with new program language from LHMP.</i>	
<b>Policy S-7</b>	<b>Minimize Potential Effects of Landslides</b> Development proposed in areas with existing landslides or with the potential for landslides (as identified by a registered engineering geologist or geotechnical engineer) shall not be endangered by, nor contribute to, the hazardous conditions on the site or on adjoining properties. Development in areas subject to landslide hazards shall incorporate adequate mitigation measures that have a design factor of safety of at least 1.5 for static conditions and 1.0 for pseudo-static (earthquake) conditions. The landslide mitigation should consider multiple options in order to reduce the secondary impacts (loss of vegetation, site grading, traffic, visual) associated with landslide mitigation. The City will only approve new development in areas of identified landslide hazard if such hazard can be appropriately mitigated.	<i>This sounds like language that was included to mitigate potential geologic impacts under CEQA. Should confirm that the metrics stated (1.5 and 1.0) are appropriate, and see if there are other policies in the LHMP that achieve the same objectives. Regardless, the first and last sentences remain valid.</i>	
<b>Policy S-8</b>	<b>Seismic Safety of Existing Buildings</b> Encourage the rehabilitation or elimination of structures susceptible to collapse or failure in an earthquake. Historic buildings shall be treated in accordance with the Historic Preservation Ordinance.	<i>Replace with current language from the LHMP that achieves the same outcome. The intent of this policy (to seismically retrofit unstable buildings) remains valid.</i>	
<b>Program S-8a</b>	<b>Seismic Safety Building Reinforcement.</b> Enforce State and local requirements for reinforcement of existing buildings.	<i>Remains valid, check to see if there are new LHMP programs to add (e.g., upgrading URMs and soft-story buildings).</i>	

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<b>Policy S-9</b>	<b>Post-Earthquake Inspections</b> Require post-earthquake building inspections of critical facilities, and restrict entry into compromised structures. Inspections shall be conducted when the earthquake intensity is VII or higher per the Modified Mercalli Intensity Scale. Require inspections as necessary in conjunction with other non-city public agencies and private parties for structural integrity of water storage facilities, storm drainage structures, electrical transmission lines, major roadways, bridges, elevated freeways, levees, canal banks, and other important utilities and essential facilities.	<i>Check against current standards (MMI: VII or higher?) and LHMP</i>	
<b>Program S-9a</b>	<b>Inspection List.</b> Identify a list of facilities that would be inspected after a major earthquake. The list shall identify City-owned essential or hazardous facilities as defined by Category 1 and 2 of Table 16-K of the Uniform Building Code, and shall prioritize the list for inspection scheduling purposes in case of an earthquake.	<i>Carry forward. As needed, provide current reference in lieu of "Table 16-K of the UBC"; check for consistency with LHMP.</i>	
<b>Policy S-10</b>	<b>Location of Public Improvements</b> To minimize threat to human health or any extraordinary construction and monitoring expenses, avoid locating improvements and utilities in areas with dangerous levels of identified hazardous materials. When the location of public improvements and utilities in such areas cannot feasibly be avoided, effective mitigation measures will be implemented.	<i>Policy remains valid—carried forward. General Plan EIR will identify where these areas are located. The Land Use Map should reflect the presence of such hazards and assign land uses accordingly.</i>	
<b>Policy S-11</b>	<b>Restriction of Businesses</b> Restrict siting of businesses or expansion of businesses that have the potential for a significant hazardous materials release within one-quarter mile of schools.	<i>Verify that ¼ mile is an appropriate radius. Also, what about child care centers in industrial areas?</i>	

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<b>Program S-11a</b>	<b>Survey of Facilities.</b> Survey existing industrial facilities within one-quarter mile of the schools. The survey would be used to determine the presence of hazardous materials and evaluate the risk of an accidental release that could adversely affect the health and safety of students and school staff.	<i>This sounds like a one-time survey that was to be done at a particular point in time. Potentially replace this with an updated program from the LHMP about mitigating hazards to schools.</i>	
<b>Policy S-12</b>	<b>Use of Environmental Databases in Development Review</b> When development is proposed, determine whether the site has been recorded as contaminated. Undertake appropriate studies to assure identification and implementation of mitigation measures for sites on or near identified hazards.	<i>This policy was amended in 2016 to reflect the transfer of some hazmat responsibilities from SRFD to Marin County. Check LHMP for additional changes.</i>	
<b>Program S-12a</b>	<b>Environmental Database.</b> Maintain environmental and hazardous materials-related databases, and update information on an ongoing basis. In addition, include the information in the State GeoTracker database (database of contaminated Underground Storage Tanks sites).	<i>Very similar to the policy—potentially reword as an ongoing operating procedure.</i>	
<b>Program S-12b</b>	<b>Environmental History.</b> Through the environmental review process, provide information about available environmental history of a site and proposed mitigation measures if warranted.	<i>Carry forward.</i>	
<b>Policy S-13</b>	<b>Potential Hazardous Soils Conditions</b> Where development is proposed on sites with known previous contamination, sites filled prior to 1974 or sites that were historically auto service, industrial or other land uses that may have involved hazardous materials, evaluate such sites for the presence of toxic or hazardous materials. The requirements for site-specific investigation are contained in the Geotechnical Review Matrix.	<i>Policy remains valid but should be checked against LHMP. Some of the review and monitoring authority has been transferred to the County.</i>	

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<b>Program S-13a</b>	<b>Potentially Hazardous Soils Map.</b> Prepare a map showing sites with known soil and groundwater contamination in order to identify new developments that warrant environmental investigation and testing.	<i>This program was amended in 2016; however, many of these maps already exist in state and federal data bases. There may be a way to utilize existing data rather than creating a new map.</i>	
<b>Program S-13b</b>	<b>Hazardous Soils Cleanup.</b> Require remediation and cleanup in accordance with regional and local standards in order to develop on sites where hazardous materials have impacted soil or groundwater. At a minimum, remediation and clean up of contaminated sites shall be in accordance with regional and local standards. The required level of remediation and clean-up shall be determined by the Certified Unified Program Agency (CUPA) based on the intended use of the site and health risk to the public.	<i>Program should be amended. The Fire Department is involved in development review, but some of the compliance functions have been transferred to the County.</i>	
<b>Program S-13c</b>	<b>Local Implementing Agency.</b> The Certified Unified Program Agency (CUPA) shall oversee the investigation and closure of contaminated underground storage tank sites.	<i>Language reflects 2016 General Plan amendment and is current. Carry forward.</i>	
<b>Policy S-14</b>	<b>Hazardous Materials Storage, Use and Disposal</b> Enforce regulations regarding proper storage, use and disposal of hazardous materials to prevent leakage, potential explosions, fires, or the escape of harmful gases, and to prevent individually innocuous materials from combining to form hazardous substances, especially at the time of disposal.	<i>Policy remains valid, but the authority to enforce many of these regulations rests with other agencies. CUPA program is now implemented by Marin County. Carry forward with edits.</i>	
<b>Program S-14a</b>	<b>CUPA Program.</b> Continue to participate in the Certified Unified Program Agency (CUPA) program.	<i>Still valid.</i>	
<b>Policy S-15</b>	<b>Hazardous Waste Management</b> Support measures to responsibly manage hazardous waste consistent with protection of the public health, welfare, safety and the environment. The City of San Rafael supports the Marin County Hazardous Waste Management Plan as adopted by the State, County and Cities within Marin County.	<i>Update as needed to reference the equivalent document used at this time.</i>	

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Reference	Statement	Staff Comments	Comments from Committee Members
<b>Policy S-16</b>	<b>Transportation of Hazardous Materials</b> Enforce Federal, State and Local requirements and standards regarding the transportation of hazardous materials. Support, as appropriate, legislation that strengthens safety requirements for the transportation of hazardous materials.	<i>Keep as is and carry forward.</i>	
<b>Program S-16a</b>	<b>Safe Transport of Hazardous Materials.</b> Support California Highway Patrol's efforts to ensure the safe transport of hazardous materials.	<i>Keep as is and carry forward.</i>	
<b>Policy S-17</b>	<b>Flood Protection of New Development</b> Design new development within the bay mud areas to minimum floor elevation that provides protection from potential impacts of flooding during the "100-year" flood. The final floor elevation (elevation of the first floor at completion of construction) shall account for the ultimate settlement of the site due to consolidation of the bay mud from existing and new loads, taking into account soils conditions and the type of structure proposed. Design for settlement over a 50-year period is typically considered sufficient.	<i>Consider expanding this policy, which currently applies only to "bay mud" areas, to other areas that are likely to be more vulnerable to flooding in the future than they are today. This policy is aimed at settlement of filled areas, but should also be applied to areas likely to be subject to sea level rise.</i>	
<b>Program S-17a</b>	<b>Title 18 Flood Protection Standards.</b> Evaluate and revise the City's Title 18 flood protection standards for new development based on Federal and regional criteria.	<i>Add sea level rise considerations.</i>	
<b>Policy S-18</b>	<b>Storm Drainage Improvements</b> Require new development to improve local storm drainage facilities to accommodate site runoff anticipated from a "100-year" storm.	<i>Still valid, but what about low impact development and other ways to reduce and capture runoff before it reaches the storm drain system? Should add these items.</i>	

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Reference	Statement	Staff Comments	Comments from Committee Members
<b>Program S-18a</b>	<b>Storm Drainage Improvements.</b> Require that new development proposals which are likely to affect the limited capacity of downstream storm drainage facilities provide a hydrological analysis of the storm drain basin of the proposed development and evaluate the capacity of existing downstream storm drainage facilities and fund improvements to accommodate increased drainage from the project site resulting from a 100-year storm, where practical.	<i>Coordinate with Public Works to replace this with if needed with a statement describing current Municipal Stormwater Permit requirements</i>	
<b>Policy S-19</b>	<b>Flood Control Improvements Funding</b> Support Federal and State legislation that provide funding for the construction of flood control improvements in urbanized areas, and seek such funding as it becomes available. Additionally, continue to use any available local sources of funding to provide flood control improvements.	<i>Remains valid—carry forward. Potentially add reference to sea level related improvements.</i>	
<b>Program S-19a</b>	<b>Incremental Flood Control Improvements.</b> Where needed and possible, new development/ redevelopment projects shall include measures to improve area flood protection. Such measures would be identified and required through the development review process.	<i>Remains valid—carry forward.</i>	
<b>Policy S-20</b>	<b>Levee Upgrading</b> When waterfront properties are developed or redeveloped, require levee upgrading, as appropriate, based on anticipated high tide and flood conditions, to maintain an appropriate levee height.	<i>Remains valid. Update as needed to reflect sea level rise issue.</i>	
<b>Program S-20a</b>	<b>Levee Maintenance Funding.</b> Coordinate with property owners to ensure adequate levee heights. Evaluate potential ways for affected private property owners to fund levee maintenance such as Assessment or Maintenance Districts.	<i>Expand as needed to address the increased tidal flooding risks and potential other remedies</i>	

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<b>Program S-20b</b>	<b>Ground Elevation Surveys.</b> Perform periodic ground elevation surveys within the Canal Neighborhood to determine ground elevations throughout the area, including the levee system. The result of the survey shall be used to determine the need for levee heightening for flood protection purposes. When a need for levee heightening is determined, the City shall heighten the levees as necessary on public property and require that levees on private property be heightened.	<i>Not just the Canal neighborhood, but other parts of San Rafael likely to be affected by rising sea level. Revisit the last sentence in light of best practices.</i>	
<b>Policy S-21</b>	<b>Rise in Sea Level</b> Support efforts to address rise in sea level by: a) continually monitoring changes in projection information, data and technology; b) utilizing the “Climate Adaptation – Sea Level Rise” San Rafael White Paper (January 2014) as a starting point for pursuing critical tasks and actions including the preparation of a vulnerability assessment; and c) coordinating with the County of Marin and other local, state, federal agencies in planning for long-term adaptation.	<i>Policy was rewritten as shown here in 2016 as part of a General Plan Amendment. Consider additional sources and references, including LHMP and Resilient by Design to provide further direction. Add programs related to adaptation planning and actions.</i>	
<b>Program S-21a</b>	<b>Local Hazard Mitigation Plan.</b> Prepare and adopt a local/ multi-hazard mitigation plan, which includes addressing rise in sea level and measures for disaster preparedness and adaptation.	<i>This action was added in 2016. It has been implemented and the LHMP was adopted in Nov 2017. Replace with an action to implement the LHMP, and potentially a separate action to prepare an Adaptation Plan.</i>	
<b>Program S-21b</b>	<b>Vulnerability Assessment-BayWAVE.</b> Coordinate and work with the County of Marin and other local jurisdictions in the BayWAVE Program to prepare and adopt a vulnerability assessment of the bay shoreline and areas susceptible to rise in sea level.	<i>This action was added in 2016 and remains valid. Potentially tie in to Resilient by Design and other recent actions related to rising sea level.</i>	

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<b>Policy S-22</b>	<b>Erosion</b> Require appropriate control measures in areas susceptible to erosion, in conjunction with proposed development. Erosion control measures and management practices should conform to the most recent editions of the Regional Water Quality Control Board's <i>Erosion and Sediment Control Field Manual</i> and the Association of Bay Area Governments' <i>Manual of Standards for Erosion and Sediment Control</i> or equivalent.	<i>Policy remains valid. Update the documents referenced here, as the RWQCB manual was done in 2002 and the ABAG Manual referenced here was written in 1988.</i>	
<b>Program S-22a</b>	<b>Erosion Control Programs.</b> Review and approve erosion control programs for projects involving grading one acre or more or 5,000 square feet of built surface as required by Standard Urban Stormwater Management Plans (SUSUMP). Evaluate smaller projects on a case-by-case basis.	<i>Align with current stormwater management permitting requirements.</i>	
<b>Program S-22b</b>	<b>Grading During the Wet Season.</b> Discourage grading during the wet season and require that development projects implement adequate erosion and/or sediment control and runoff discharge measures.	<i>Remains valid—carry forward</i>	
<b>Policy S-23</b>	<b>Septic Systems</b> Discourage the use of septic systems within San Rafael's Planning Area. If no other alternatives exist, then soil tests shall be required to determine if the on-site soils are suitable for development of a septic system for disposal of wastewater. In hillside areas, an evaluation of the additional water from a septic system on hillside stability shall also be required. New or improved septic systems shall be designed by a registered civil engineer that specializes in septic design.	<i>Remains valid---carry forward</i>	
<b>Policy S-24</b>	<b>Creeks and Drainageways</b> Seek to retain creek channels in their natural state in order to prevent undue erosion of creek banks. Protect creekside habitat and provide maintenance access along creeks where appropriate.	<i>Remains valid—carry forward. Potentially tie into policies on the benefits of green infrastructure and restoring natural hydrologic features and functions.</i>	

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<b>Program S-24a</b>	<b>Agency Permits.</b> Through development review, consult with and require necessary permits from State and Federal resource agencies, such as U.S. Army Corps of Engineers, California Fish and Game, Bay Conservation and Development Commission, and the Regional Water Quality Control Board.	<i>Remains valid—carry forward.</i>	
<b>Policy S-25</b>	<b>Regional Water Quality Control Board (RWQCB) Requirements</b> Continue to work through the Marin County Stormwater Pollution Prevention Program to implement appropriate Watershed Management plans as dictated in the RWQCB general National Pollutant Discharge Elimination System permit for Marin County and the local stormwater plan.	<i>Similar language already exists in the Air and Water Quality Element. Consolidate and carry forward.</i>	
<b>Program S-25a</b>	<b>Compliance with RWQCB.</b> Review development plans for compliance with RWQCB permit, in conjunction with Marin County Stormwater Pollution Prevention Program (MCSTOPP).	<i>Remains valid, but logically should be grouped with the programs in the Air and Water Quality Element. Consolidate.</i>	
<b>Policy S-26</b>	<b>Fire and Police Services</b> Maintain adequate cost-effective fire protection, paramedic and police services. Minimize increases in service needs from new development through continued fire prevention and community policing programs.	<i>Policy remains valid. Carry forward. Note earlier comment that this relates to Goal S-1, whereas Policies S-1 to S-25 are focused on hazard mitigation.</i>	
<b>Program S-26a</b>	<b>Public Safety Training.</b> Provide and encourage public safety employee training to ensure team members' skills remain current. Encourage and support new employees to join programs, such as Urban Search and Rescue and disaster relief training programs (CERT).	<i>Remains valid. Edit as needed to reflect LHMP and recent emergency planning directives.</i>	
<b>Program S-26b</b>	<b>Vehicle and Equipment Maintenance.</b> Maintain and upgrade vehicles and equipment as necessary.	<i>Remains valid. Carry forward. Edit as needed to reflect LHMP directives.</i>	

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<b>Program S-26c</b>	<b>Fire Prevention and Safe Design.</b> Through the development review process, require review by Fire Department and Police Department for fire prevention and safe design.	<i>Remains valid. Carry forward.</i>	
<b>Policy S-27</b>	<b>Community Policing and Fire Service</b> Actively promote Community Policing and Community Fire Servicing in order to facilitate closer relations between police and fire departments and neighborhood groups, businesses and residents.	<i>Remains valid. Carry forward.</i>	
<b>Program S-27a</b>	<b>Restorative Justice Program.</b> Develop a community-based restorative justice program, which would provide for alternative sentencing methods and a diversion program where offenders are accountable to the community. Cooperate with County authorities to review, identify and evaluate alternative sentencing methods to enhance the community.	<i>Suggest moving this to the section of the plan on equity, justice, health, etc.</i>	
<b>Program S-27b</b>	<b>Business Regulation.</b> Maintain and adopt, as necessary, regulatory ordinances and regulatory procedures for businesses determined to be susceptible to criminal activities not otherwise regulated by Federal and State agencies, such as massage parlors.	<i>Given the shift of this element to resilience, consider moving this program to another section of the Plan. This may fit with land use policies/ programs, or those related to environmental justice..</i>	
<b>Program S-27c</b>	<b>Community Fire Servicing.</b> Continue to provide health and fire safety outreach programs to community groups.	<i>Remains valid. Carry forward.</i>	
<b>Policy S-28</b>	<b>Paramedic Services</b> Continue to seek adequate and cost-effective ways to provide accessible and reasonable emergency medical services.	<i>Remains valid. Carry forward.</i>	
<b>Program S-28a</b>	<b>Paramedic Tax.</b> Continue to support the paramedic tax.	<i>Remains valid. Carry forward.</i>	

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<b>Program S-28b</b>	<b>Partnerships for Prevention Programs.</b> Seek public and private partnerships, such as cooperating with hospitals and other public and private medical providers, to offer prevention programs and medical information.	<i>Clarify—is this health-related? If so, move to Health, Equity, and Environmental Justice Element.</i>	
<b>Policy S-29</b>	<b>Effective Communication System</b> Ensure that all City agencies with public safety responsibilities are provided with effective, reliable and robust emergency communications systems and equipment. The system and equipment should have adequate capacity and redundancy to ensure these agencies can accomplish their missions. Appropriate consideration should also be given to the communications needs of agencies that may be required to supply mutual aid to or from other jurisdictions.	<i>Policy remains valid. Carry forward, making edits if needed for consistency with LHMP and current emergency management plans.</i>	
<b>Program S-29a</b>	<b>Involvement with Marin Emergency Radio Authority</b> Maintain active involvement with Marin Emergency Radio Authority (MERA) and pursue installation and activation of the MERA radio system.	<i>Carry forward. Consider additional action items if needed to reflect current emergency preparedness priorities.</i>	
<b>Policy S-30</b>	<b>Maintenance and Landscaping for Fire Safety</b> Encourage, where appropriate, special planting, removal and maintenance programs to reduce potential fire hazards in the hills, wildland areas and urban interface areas.	<i>Remove the words “where appropriate.” Potentially add fire safe landscaping language from the LHMP.</i>	
<b>Program S-30a</b>	<b>Fire Hazard Maps.</b> As part of the City’s Fire Hazard Program, maintain maps identifying potential fire hazard areas in San Rafael.	<i>Ongoing program—carry forward.</i>	
<b>Program S-30b</b>	<b>Fire Protection Ordinance.</b> Continue to implement Wildlife-Urban Interface (WUI) standards within the Ordinance to reduce fire hazards in areas in the urban interface area.	<i>Correct typo—should probably be Wildland, not Wildlife.</i>	

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<b>Policy S-31</b>	<b>New Development in Fire Hazard Areas</b> Design new development located on or adjacent to natural hillsides to minimize fire hazards to life and property.	<i>Remains valid—carry forward.</i>	
<b>Program S-31a</b>	<b>New Development.</b> Through the development review process, require appropriate mitigation measures such as fire preventive site design, landscaping and building materials, and the use of fire suppression techniques such as sprinklering.	<i>Remains valid—carry forward. As needed, expand or supplement to incorporate direction and programs provided by LHMP.</i>	
<b>Policy S-32</b>	<b>Safety Review of Development Projects</b> Require crime prevention and fire prevention techniques in new development, including adequate access for emergency vehicles.	<i>Remains valid, though perhaps separate out crime prevention (crime prevention through environmental design is a separate issue)</i>	
<b>Program S-32a</b>	<b>Safe Buildings.</b> Continue to review development applications to insure that landscaping, lighting, building siting and design, emergency access, adequate water pressure and peakload storage capacity, and building construction materials reduce the opportunity for crime and fire hazards.	<i>Potentially merge with 31a? They are very similar. Consider other measures as prescribed by the LHMP.</i>	
<b>Policy S-33</b>	<b>Disaster Preparedness Planning</b> Ensure disaster preparedness in cooperation with other public agencies and appropriate public-interest organizations. Expand abilities of residents to assist in local responses to disasters.	<i>Valid policy—carry forward. Add new action on recovery planning.</i>	
<b>Program S-33a</b>	<b>Disaster Preparedness Plan.</b> Update and publicize the City's emergency response (disaster) plan in conformance with State guidelines.	<i>Valid program—update to reflect current status and carry forward.</i>	
<b>Program S-33b</b>	<b>Urban Search and Rescue Techniques.</b> Continue to ensure that Urban Search and Rescue techniques remain current.	<i>Valid program – carry forward.</i>	

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<b>Program S-33c</b>	<b>Neighborhood Disaster Preparedness.</b> Continue to coordinate neighborhood disaster response preparedness planning efforts through Fire and Police Department programs and through coordination with the American Red Cross, American Heart Association and other community groups. Provide technical assistance as needed to review adequacy of neighborhood disaster plans.	<i>Check language with Emergency Preparedness Coordinator. Appears to be appropriate to carry forward as written.</i>	
<b>Program S-33d</b>	<b>Standardized Emergency Management System.</b> Continue to train City employees in the Standardized Emergency Management System offered by the Governor's Office of Emergency Services.	<i>Valid program—carry forward.</i>	
<b>Program S-33e</b>	<b>Training of Citizen Police Academy and CERT Graduates.</b> Organize neighborhood teams of Citizen Police Academy and CERT graduates, and provide training on how to maintain public safety in their neighborhood during emergency situations.	<i>Valid program—carry forward.</i>	
<b>Policy S-34</b>	<b>Emergency Operation Center</b> Create a well-equipped Emergency Operation Center that is permanent and centrally located to coordinate emergency responses to emergencies.	<i>Update to reflect pending completion of new City EOC.</i>	
<b>Program S-34a</b>	<b>Emergency Operations Center.</b> Determine the location of, and explore funding sources for a permanent and centrally located Emergency Operation Center as well as alternative emergency locations.	<i>Replace with a program addressing the ongoing functions of the EOC once its operational</i>	
<b>Policy S-35</b>	<b>Safety Personnel in Times of Emergency</b> Make provisions to continue essential emergency public services during natural and other catastrophes.	<i>Valid policy—carry forward.</i>	
<b>Program S-35a</b>	<b>Employee Transportation.</b> To ensure adequate safety personnel in an emergency, explore ways to transport public safety employees from outlying areas when damaged infrastructure prevents them from driving to San Rafael.	<i>Valid program—are there other programs in the emergency preparedness plans that should be similarly referenced? <b>What about post-disaster recovery planning?</b></i>	

## SAFETY ELEMENT POLICY MATRIX

Reference	Statement	Staff Comments	Comments from Committee Members
<b>Program S-35b</b>	<b>Mutual Aid Agreements.</b> Continue to explore the feasibility of mutual aid agreements that provide public safety personnel in times of emergency.	<i>Not just the feasibility—but also the extension of existing agreements.</i>	
<b>Program S-35c</b>	<b>Housing Incentives.</b> Support State legislation and City initiatives that would provide incentives for public safety employees to live in San Rafael, so that they may be readily available if a disaster should occur.	<i>Valid program—carry forward.</i>	
<b>Policy S-36</b>	<b>Emergency Connectors</b> Pursue the development of local emergency connectors in the short-term and permanent roadway connections between Terra Linda and Downtown San Rafael. Seek adequate emergency connectors to all areas of San Rafael, and between San Rafael and adjacent communities.	<i>This could merit discussion vis a vis any recent guidance provided by the Local Hazard Mitigation Plan. <b>What about evacuation routes?</b></i>	
<b>Program S-36a</b>	<b>Emergency Connectors.</b> Evaluate and improve the following emergency connectors in light of costs, effectiveness, and impacts: 1. Provide emergency street connectors throughout the City, including the existing connection between Freitas Parkway and Fawn Drive, the all-weather connection between Freitas and Fawn and between Ridgewood and Fawn, and the connection between Del Ganado and Butterfield Road; 2. Maintain the ability to use the private portion of Sienna Way in Dominican in case of emergency, as an alternative exit for Mountain View. 3. Maintain emergency access between Peacock and Biscayne Drives for emergency vehicle use only.	<i>Revisit list with SR Fire Dept and Emergency Preparedness Coordinator to ensure that it is complete and current.</i>	
<b>Policy S-37</b>	<b>Functioning Public Utilities Following Earthquake</b> Locate and construct vital public utilities as well as communication and transportation facilities in a way that maximizes their potential to remain functional during and after an earthquake.	<i>Still valid—carry forward. Does anything need to be added on wireless communication infrastructure?</i>	
<b>Program S-37a</b>	<b>Engineering Standards.</b> Continue to build public utilities to adopted engineering standards.	<i>Seems self-evident? Is there another way to say this?</i>	

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<b>Policy S-38</b>	<b>Building Code and Fire Code Update</b> Continue updating the Building and Fire Codes as necessary to address earthquake, fire and other hazards and support programs for the identification and abatement of existing hazardous structures	<i>Policy is still valid and is actively implemented. Carry forward.</i>	
<b>Program S-38a</b>	<b>State Required Code Updates.</b> Continue to adopt State-required code updates with provisions for public review and input.	<i>Program is on-going and should be carried forward.</i>	
<b>Policy S-39</b>	<b>Public Safety Facilities</b> Ensure that public safety facilities are designed and constructed adequately to efficiently operate paramedic, fire and police services, including in times of disaster.	<i>Potentially edit for clarity, but the policy remains valid and should be carried forward.</i>	
<b>Program S-39a</b>	<b>Public Safety Facilities.</b> Evaluate needed upgrades to public safety facilities, particularly seismic safety improvements, and seek funding mechanisms. In order to meet the existing and projected future needs of the San Rafael Police Department, the City will determine the department's existing and project facility needs; obtain the necessary funding for the needed improvement; and, purchase, construct, and/or renovate the necessary additional facilities.	<i>Rewrite this program in light of the recent upgrades to fire stations and construction of the new EOC. Potentially create a separate action (in another part of the General Plan) related to the need for ongoing investment in improvements and equipment for law enforcement and fire services.</i>	
<b>Policy S-40</b>	<b>Outreach</b> Encourage educational outreach to promote awareness and caution among residents regarding disaster preparedness of possible natural hazards, including soil conditions, earthquakes, flooding, and fire hazards. Establish an outreach program, including establishing programs. Publicize disaster plans by neighborhood.	<i>Add sea level rise and coastal flooding. Potentially rewrite to reflect current CERT program language and outreach guidance provided by the LHMP and current emergency preparedness program. Potentially add program on outreach to special needs populations—seniors, Spanish language, etc.</i>	
<b>Program S-40a</b>	<b>City's Website.</b> Manage and update the Fire Department's website to provide information and links to meet the fire servicing needs of the community.	<i>Add EMS.</i>	
<b>Program S-40b</b>	<b>Enrollment in Training Programs.</b> Increase enrollment in the training programs for residents and neighborhood associations.	<i>Potentially replace with something more specific, building on desired initiatives? i.e., use of social media?</i>	

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<b>Program S-40c</b>	<b>Neighborhood Educational Programs.</b> Support educational programs, such as CERT and Citizen's Police Academy in the neighborhoods.	<i>Combine with 33e?</i>	