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1. COMMUNITY SAFETY

GOAL S-1. A safe community that is aware of risks and prepared for emergencies.

PUBLIC AWARENESS

POLICY S1.1 Facilitate ongoing public education and awareness to prevent loss of life and property from impacts of natural and human-made disasters and to facilitate recovery when disasters occur. [NEW POLICY] [N1]

Program S1.1.1 Expand public education programs that strongly encourage each household in the City to be prepared to be self-sufficient, with enough stored water and food to support the entire household, for at least one week after a major earthquake, flood, terrorism event, pandemic or other major disaster. Also encourage businesses and other organizations to prepare for self-sufficiency. [Previous Program N-82] [N2]

Program S1.1.2 Continue to implement and fund the Emergency Services Volunteer program. [NEW PROGRAM] [N3]

Program S1.1.3 Encourage residents and employees to participate in citywide emergency drills and other public education activities. [PTC] [NEW PROGRAM] [N4]

Program S1.1.4 Support an annual community public safety fair to educate and engage the public on preparedness and offer the opportunity to buy emergency disaster kits and supplies. [NEW PROGRAM] [N5]

Program S1.1.5 Encourage local businesses to have business continuity and disaster recovery plans in place. [NEW PROGRAM] [N6]

POLICY S1.2

COMMUNITY SAFETY

Support the Palo Alto Police Department and Office of Emergency Services efforts in public safety education and community outreach.

SAFETY ELEMENT

Use education and crime prevention as integral parts of the practice of law enforcement. [PTC] [NEW POLICY] [N7]

Program S1.2.1 Develop accessible, attractive marketing materials to promote involvement in community crime safety programs. [NEW PROGRAM] [N8]

POLICY S1.3

Deter criminal behavior in Palo Alto through a multidisciplinary approach that includes a safe built environment, effective social services, functional administrative processes and Police Department review of site plans for major development proposals. [NEW POLICY] [N9]

Program S1.3.1 Coordinate with the Police Department, Human Relations Commission and local social service non-profits to develop a strategy for identifying, intercepting and assisting potential offenders before crimes occur. [NEW PROGRAM] [N10]

Program S1.3.2 Support programs such as the Department of Housing and Urban Development's Good Neighbor Next Door, which incentivizes home purchase for first responders with discounts. [NEW PROGRAM] [N11]

POLICY S1.4

Support the use of valuable crime analytics, data and metrics that are widely available from national organizations to residents, local police departments and first responders. [NEW PROGRAM] [N12]

Program S1.4.1 Make data available to maintain an accurate, up to date, and complete real-time local crime mapping function to promote neighborhood safety. [NEW PROGRAM] [N13]

POLICY S1.5

Encourage the development of community-based law enforcement and community safety strategies, including partnerships with school districts, private schools, businesses, transit agencies, nonprofit organizations, faith-based organizations, and community groups such as Emergency Services Volunteers. [PTC] [NEW POLICY] [N14]

Program S1.5.1 Promote neighborhood security by providing crime prevention information and training to residents, and continuing to fund resident involvement in neighborhood safety programs such as "Know Your Neighbor" grants. [NEW PROGRAM] [N15]

Program S1.5.2 Collaborate with the Palo Alto Unified School District, businesses, non-profits, private schools, local faith-based organizations to provide community safety education. [PTC][NEW PROGRAM] [N16]

Program S1.5.3 Encourage the Palo Alto Unified School District to develop secure school facilities and collaborate on disaster preparedness activities; emergency disaster planning, exercises and drills; and disaster recovery. [PTC] [NEW PROGRAM] [N17]

Program S1.5.4 Continue to support and encourage participation in Police Department programs to introduce youth to the importance and benefits of local law enforcement. [PTC] [NEW PROGRAM] [N18]

POLICY S1.6 Work with the Police Department to develop effective, transparent law enforcement strategies that protect the privacy and civil liberties of all residents [NEW POLICY] [N19]

Program S1.6.1 Enhance police training for evolving challenges, such as small- to large-scale human threats, interacting with individuals with mental illness, and non-lethal alternatives. [NEW PROGRAM] [N20]

Program S1.6.2 Support the Palo Alto Police Department in implementing and maintaining approved technologies for data gathering, surveillance, and recording interactions with the public. Incorporate best practices in use policies with special consideration in ensuring the programs protect the public’s privacy rights and civil liberties, in accordance with current legislation. Ensure transparency by communicating new equipment implementation, usage, privacy considerations, and retention of data. [NEW PROGRAM] [N21]

POLICY S1.7

Regularly review the adequacy of law enforcement services and emergency services in the City. Plan and develop law enforcement infrastructure and technology according to overall need and City growth. [PTC] [NEW POLICY] [N22]

Program S1.7.1 Regularly monitor and review the level of public safety staffing required for efficient local service delivery. [PTC] [NEW PROGRAM] [N23]

SAFETY ELEMENT

Program S1.7.2 Design the new Public Safety building to meet the needs of the public safety departments and be resilient against known threats and hazards. This includes remaining fully operational after a catastrophic (7.9 magnitude) earthquake, other natural disasters, moderate terrorist attack or crisis. [PTC] [NEW PROGRAM] [N24]

Program S1.7.3 Provide community notifications in the event of emergency using the best available methods and explore new technologies for emergency public information and warnings. [PTC] [Previous Program G-10] [N25]

POLICY S1.8 Monitor federal and State terrorism response planning to ensure that Palo Alto coordinates with relevant agencies and is well-prepared in the event of a terrorist act. [NEW POLICY] [N26]

Program S1.8.1 Update Palo Alto's 2001 Terrorism Response Plan.[NEW PROGRAM] [N27]

2. NATURAL HAZARDS

GOAL S-2. Protection of Life, Ecosystems and Property From Natural Hazards and Disasters, Including Earthquake, Landslide, Flooding, and Fire

GENERAL SAFETY MEASURES

POLICY S2.1

POLICY S2.2 Focus efforts to reduce exposure to natural hazards in those areas of the City that have been identified as vulnerable to the greatest risks, as shown on the maps in this Element. [Previous Policy N-49] [N28]

POLICY S2.3 Implement public safety improvements, such as access roads and other infrastructure, in a manner that is sensitive to the environment. [Previous Policy N-50] [N29]

EARTHQUAKES AND GEOLOGIC HAZARDS

Expand citizen awareness of seismic and geologic hazards through public education and preparedness. [PTC] [NEW POLICY] [N30]

Minimize exposure of people and structures to geologic hazards, including slope stability, subsidence, and expansive soils, and to seismic hazards including groundshaking, fault rupture, liquefaction, and landslides. [Previous Policy N-51] [N31]

POLICY S2.4

Program S2.4.1 Periodically review and update the City’s Seismic Hazard Ordinance. [PTC] [NEW PROGRAM] [N32]

Promote seismic rehabilitation and renovation of existing buildings, particularly those whose loss would have the greatest community impacts, using incentives as a way to ensure safe and structurally sound buildings. [PTC] [NEW POLICY] [N33]

POLICY S2.5

Program S2.5.1 Continue to provide incentives for seismic retrofits of structures throughout the city, particularly those building types that would affect the most people in the event of an earthquake. [Previous Program N-70] [N34]

Program S2.5.2 Study the possibility of incorporating a sunset date into the program that allows transfer of development rights. [PTC] [NEW PROGRAM] [N35]

Program S2.5.3 Explore the use of Community Development Block Grants, Palo Alto Housing Funds and other sources of funding to promote retrofitting of existing soft-story construction by owners of lower income and senior housing. [PTC] [NEW PROGRAM] [N36]

POLICY S2.6

Encourage property owners, business owners and the Palo Alto Unified School District to evaluate their vulnerability to earthquake hazards and take appropriate action to minimize their risk. [PTC] [NEW POLICY] [N37]

Program S2.6.1 As part of the construction permitting process for proposed new and redeveloped buildings in areas of identified hazard shown on Figure XX—structures that would affect the most people in a seismic event—require submittal to the City of a geotechnical/seismic report that identifies specific risks and appropriate mitigation measures. [Previous Program N-73] [N38]

Program S2.6.2 Review and update, as appropriate, City code requirements for excavation, grading, filling and construction to ensure

SAFETY ELEMENT

that they conform to currently accepted and adopted standards. [Previous Program N-74] [N39]

Program S2.6.3 Utilize the results of Palo Alto's Seismic Hazards Identification Program and inventory of potentially seismically vulnerable building types to establish priorities and create incentives to encourage structural retrofits. [NEW PROGRAM] [N40]

FLOOD HAZARD AND MITIGATION

POLICY S2.7 Minimize exposure to flood hazards of proposed development in FEMA-designated Special Flood Hazard Areas. [Previous Policy N-52] [N41]

Program S2.7.1 Implement flood mitigation requirements of FEMA in Special Flood Hazard Areas as illustrated on the Flood Insurance Rate Maps. [Previous Program N-76] [N42]

Program S2.7.2 Continue participating in FEMA's Community Rating System to reduce flood insurance for local residents and businesses and strive to improve Palo Alto's rating in order to lower the cost of flood insurance. [PTC] [NEW PROGRAM] [N43]

Program S2.7.3 Partner with appropriate agencies to expand flood zones as appropriate due to sea level rise, changes in creek channels, sheet flooding or storm drain overload due to increased likelihood of extreme storm events caused by climate change. [PTC] [NEW PROGRAM] [N44]

POLICY S2.8 *Program S2.7.4 Collaborate with the San Francisquito Creek Joint Powers Authority and the Santa Clara Valley Water District on environmentally-sensitive efforts to stabilize, restore, maintain and provide one percent (100-year) flood protection adjacent to San Francisquito Creek. [PTC] [NEW PROGRAM] [N45]*

Work with the San Francisquito Creek Joint Powers Authority on efforts to replace the City-owned Newell Street Bridge and the San Francisquito Creek Joint Powers Authority-owned Chaucer Street Bridge. [NEW PROGRAM] [N46] Prevent new habitable basements as part of residential development in single-family residential neighborhoods within the flood hazard zone. [NEW POLICY] [N47]

Program S2.8.1 Keep basement restrictions up to date with changing flood hazard zones. [NEW PROGRAM] [N48]

Program S2.8.2 Study appropriate restrictions on underground construction in areas in which the current groundwater level is 14 feet or less to accommodate expected higher groundwater levels due to sea level rise and minimize consequent flooding of underground construction. [NEW PROGRAM] [N44]

POLICY S2.9 Monitor and respond to the risk of flooding caused by climate change-related changes to precipitation patterns, groundwater levels, sea level rise, tides, and storm surges. [PTC] [NEW POLICY] [N50]

Program S2.9.1 Implement shoreline development regulations to ensure that new development is protected from potential impacts of flooding resulting from sea level rise and significant storm events. Regulations may include new shoreline setback requirements, limits on lot line adjustments to avoid the creation of vulnerable shoreline lots, and/or triggers for relocation or removal of existing structures based on changing site conditions and other factors. [NEW PROGRAM] [N51]

POLICY S2.10 Support regional efforts to improve bay levees. [NEW POLICY] [N52]

Program S2.10.1 Work cooperatively with the Santa Clara Valley Water District and the San Francisquito Creek Joint Powers Authority to provide flood protection from high tide events on San Francisco Bay, taking into account the impacts of future sea level rise, to provide one percent (100-year) flood protection from tidal flooding, while being sensitive to preserving and protecting the natural environment. [PTC] [NEW PROGRAM] [N53]

Program S2.10.2 Work with regional, State, and federal agencies to determine if sea levels in the San Francisco Bay warrant additional adaptation strategies to address flooding hazards to existing or new development and infrastructure, including support for environmentally sensitive levees. [NEW PROGRAM] [N54]

FIRE PROTECTION AND AWARENESS

- Minimize exposure to wildland and urban fire hazards through rapid emergency response, proactive code enforcement, public education programs, use of modern fire prevention measures, and adequate emergency management preparation. [Previous Policy N-53] [N55]
- POLICY S2.11
- Program S2.11.1 Regularly review and update the Fire Department’s operations, training facilities, and programs to ensure consistency with current standards and Best Management Practices. [PTC] [NEW PROGRAM] [N56]*
- Program S2.11.2 Explore technological tools, such as cameras or remote sensors, to identify smoke or fires and initiate response as quickly as possible. [NEW PROGRAM] [N57]*
- Require that the planning and design of development in areas exposed to wildland fire hazards minimize the risks of wildfire and include adequate provisions for vegetation management, emergency access, and firefighting. [NEW POLICY required by SB 1241] [N58]
- POLICY S2.12
- Program S2.12.1 Regularly review and fund updates to the Palo Alto Foothills Fire Management Plan to ensure consistency with current standards and Best Management Practices. [Previous Program N-77] [N59]*
- Program S2.12.2 Implement the Foothills Fire Management Plan to balance conservation of natural resources with reduction of fire hazards especially in open space areas. [PTC] [NEW PROGRAM] [N60]*
- Program S2.12.3 Minimize fire hazards by maintaining low density zoning in wildland fire hazard areas. [Previous Program N-79] [N61]*
- Program S2.12.4 Work collaboratively with other jurisdictions and agencies to reduce wildfire hazards in and around Palo Alto, with an emphasis on effective vegetation management and mutual aid agreements. [NEW PROGRAM] [N62]*
- Program S2.12.5 Consider implementation of CAL FIRE recommended programs in educating and involving the local community to diminish potential loss caused by wildfire and identify*

prevention measures to reduce those risks. [PTC] [NEW PROGRAM] [N63]

Provide emergency fire and medical services consistent with the response time standards set forth in the Fire Department’s annual budget. [Previous Policy N-54] [N64]

POLICY S2.13

Program S2.13.1 Evaluate measures for optimal service delivery to improve efficiency; develop automatic or mutual aid agreements with other jurisdictions, including Stanford, to improve efficiencies. [Previous Program N-80] [N65]

Program S2.13.2 Upgrade fire stations so that all remain fully functional following earthquakes. [NEW PROGRAM] [N66]

Program S2.13.3 Review existing costs and contracts to develop a plan for the long term funding of the fire department and appropriate staffing levels at all stations. [NEW PROGRAM] [N67]

POLICY S2.14

Support Palo Alto Fire Department’s efforts in public education and community outreach to prevent injury, loss of life, and damage to property from accidental fires.[PTC] [NEW POLICY] [N68]

Program S2.14.1 Provide public education on fire safety, including wildland and structural fire prevention, evacuation routes and guidelines for clearance of landscaping and other hazards around structures. [Previous Program N-78] [N69]

POLICY S2.15

Monitor and respond to the risk of wild land fire hazards caused by climate change. [PTC] [NEW POLICY] [N70]

3. HUMAN-CAUSED THREATS

POLICY S3.1
GOAL S-3. An Environment Free of the Damaging Effects of Human-Caused Threats and Hazardous Materials.

Minimize the use of toxic and hazardous materials in Palo Alto. Promote the use of alternative materials and practices that are environmentally benign. [Previous Policy N-30] [N71]

SAFETY ELEMENT

- Program S3.1.1 Continue City permitting procedures for commercial and industrial storage, use, and handling of hazardous materials and regulate the commercial use of hazardous materials that may present a risk of offsite health or safety effects. [Previous Program N-47] [N72]*
- Program S3.1.2 Establish protocols to monitor the movement of hazardous materials on Palo Alto roadways and respond effectively to spills via established truck and construction routes. [NEW PROGRAM] [N73]*
- Program S3.1.3 Work with non-profit organizations to provide information to the public regarding pesticides and other commonly used hazardous materials, environmentally preferable alternatives, and safe recycling and disposal practices to all user groups. [Previous Program N-46] [N74]*
- Program S3.1.4 Continue providing regular household hazardous waste collection events at the Palo Alto Regional Water Quality Control Plant and strive to make these programs more convenient and accessible to residents. [Previous Program N-48] [N75]*
- Program S3.1.5 Continue to allow small quantity generators to dispose of hazardous waste at cost. [Previous Program N-50] [N76]*
- Program S3.1.6 Continue to educate residents on the proper disposal of pharmaceutical and household hazardous waste. Encourage proper disposal of medications through pharmacies or drug take-back programs rather than flushing. [NEW PROGRAM] [N77]*
- POLICY S3.2
- POLICY S3.3 Continue working with appropriate agencies to clean up hazardous waste sites and contaminated groundwater. [NEW POLICY] [N78]
- POLICY S3.4 Support public agency policies, regulations, legislation, and programs that implement Santa Clara County’s Hazardous Materials Management Program. [Previous Policy N-32] [N79]
- Protect City authority for the approval or denial of proposed commercial hazardous waste treatment, storage, or disposal facilities in the City. Continue to support the concept of “fair share”

agreements between counties in the siting of such facilities.
[Previous Policy N-33] [N80]

POLICY S3.5 Decrease the risks associated with rail infrastructure in Palo Alto, including the movement of hazardous materials through the City and the dangers of passenger trains in a fully-developed, populated environment. [NEW POLICY] [N81]

Program S3.5.1 Work with the freight industry to monitor the contents of freight trains intersecting Palo Alto for potentially hazardous materials, and to establish accountability for accidents and spills. [NEW PROGRAM] [N82]

Program S3.5.2 Develop a campaign, in concert with Caltrain and the Palo Alto Unified School District, to educate students on the dangers of rail trespass and the benefits of suicide support services available in Palo Alto. [NEW PROGRAM] [N83]

POLICY S3.6 Recognizing that smoking and second-hand smoke affects air quality, including indoor air quality, the City supports efforts to reduce smoking and enforce smoking ban. [NEW POLICY] [N84]

POLICY S3.7 Monitor professional and medically-sound research and studies on electromagnetic fields (EMF) and share information with the Palo Alto community. [NEW POLICY] [N85]

4. INFRASTRUCTURE

GOAL S-4. Infrastructure that is prudently managed and maintained to protect public health, resident safety and the natural environment.

POLICY S4.1
POLICY S4.2 Design Palo Alto’s infrastructure system to protect the life and safety of residents, ensure resiliency in the face of disaster, and minimize economic loss. [NEW POLICY] [N86]

WATER SUPPLY AND SAFETY

Maintain a safe, clean, and reliable long-term supply of water for Palo Alto. [Previous Policy N-19] [N87]

SAFETY ELEMENT

POLICY S4.3 Maintain cost-effective citywide water conservation and efficiency programs for all customers, including low income customers, through a diverse portfolio of education, rebates, assistance programs, and building requirements. [Previous Program N-24] [PTC] [N88]

Program S4.3.1 Educate customers on efficient water use (indoor and outdoor), tree care, and landscaping options. [NEW PROGRAM] [N89]

POLICY S4.4 Encourage owners of existing residential and commercial property to conserve water by modeling best practices including replacing inefficient plumbing fixtures in buildings, installing drought tolerant landscape and harvesting rainwater. [NEW POLICY] [N90]

POLICY S4.5 Plan for water scarcity due to climate change and increased demand due to population growth, by regulating groundwater use. [NEW POLICY] [N91]

Program S4.5.1 Prepare a groundwater management plan that will address groundwater supply and quality, including, as appropriate:

- An approach to metering extracted groundwater.
- Methods to ensuring that uncontaminated, toxin-free groundwater is used in a manner that benefits the community, for example in irrigation of parks, street cleaning, and dust suppression.
- Procedures for recharging the local aquifer with extracted groundwater. [NEW PROGRAM] [N92]

DROUGHT

Support the development a multi-faceted approach to ensure resilient supply and management of water in Palo Alto, during significant periods of drought. [NEW POLICY] [N93]

Program S4.1.1 Study the supply and quality of local groundwater aquifers to better understand their utility as natural water storage. [NEW PROGRAM] [N94]

Program S4.1.2 Work with local public agencies to educate residents regarding the public health, fire and overall quality of life

risks associated with long-term drought. [NEW PROGRAM] [N95]

Program S4.1.3 Evaluate the development and implementation of a new set of development criteria and standards specific to water conservation in times of severe long-term drought. [NEW PROGRAM] [N96]

WASTEWATER TREATMENT

POLICY S4.2 Reduce the discharge of toxic materials into the City's sanitary sewer collection system by promoting the use of Best Management Practices and reducing pollutant levels in City wastewater discharges. [Previous Policy N-25] [N97]

Program S4.2.1 Work with commercial and industrial dischargers to identify and implement pollution prevention measures and Best Management Practices to eliminate or reduce the discharge of metals and other pollutants of concern. [Previous Program N-35] [N98]

Program S4.2.2 Provide incentives to encourage commercial dischargers to consistently go beyond minimum requirements of the Clean Bay Business Program. [PTC] [NEW PROGRAM] [N99]

POLICY S4.3 Provide, maintain, and operate wastewater treatment facilities, including maintaining adequate capacity at the Regional Water Quality Control Plant located in Palo Alto, to accommodate projected economic and population growth. Ensure that the plant operates in compliance with applicable local, State, and federal clean water, clean air, and health and safety regulatory requirements. [PTC] [NEW POLICY] [N100]

Program S4.3.1 Implement approved recommendations based on the Long-Term Facilities Plan prepared for the Regional Water Quality Control Plant. [PTC] [NEW PROGRAM] [N101]

Program S4.3.2 Develop a plan to address ongoing operations of the Regional Water Quality Control Plant taking potential sea level rise into account. [NEW PROGRAM] [N102]

RECYCLED WATER

Improve source control, treatment, and distribution of recycled water, including reducing the salinity of recycled water, to maximize its use. [PTC] [NEW POLICY] [N103]

POLICY S4.4 *Program S4.4.1 Expand existing recycled water infrastructure to serve a larger area. Develop a plan to install “purple pipe” whenever streets are opened for other infrastructure work. [NEW PROGRAM] [N104]*

Program S4.4.2 Investigate ways to reuse non-traditional water sources including recycled, gray, black and stormwater. [NEW PROGRAM] [N105]

POLICY S4.5 Require separate irrigation systems that can accept recycled water for landscape irrigation for larger developments. [PTC] [Previous Program N-26] [N106]

STORMWATER MANAGEMENT

POLICY S4.6 Promote the capture and reuse of stormwater for irrigation and other purposes, and improved public safety. [NEW POLICY] [N107]

Program S4.6.1 Develop and implement a green stormwater infrastructure plan with the goal to treat and infiltrate stormwater. [NEW PROGRAM] [N108]

POLICY S4.7 *Program S4.6.2 Mitigate flooding through improved surface permeability or paved areas, and stormwater capture and storage. [NEW PROGRAM] [N109]*

Improve storm drainage performance by constructing new system improvements where necessary and replacing undersized or otherwise inadequate lines with larger lines or parallel lines. [Previous Policy N-24] [N110]

Program S4.7.1 Establish a standardized process for evaluating the impacts of development on the storm drainage system, including point source discharge, base flow and peak flow.[Previous Program N-75] [N111]

Program S4.7.2 Complete improvements to the storm drainage system consistent with the priorities outlined in the City's 1993 Storm Drainage Master Plan. [Previous Program N-36] [N112]

POLICY S4.8 Maintain and improve implementation of the City's Integrated Pest Management Policy with periodic assessments of pesticide use and use of Best Management Practices to reduce pesticide applications and toxicity, and maximize non-chemical control. [PTC] [NEW POLICY] [N113]

SOLID WASTE

POLICY S4.9 Strive for 95% landfill diversion by 2030, and ultimately zero waste, by enhancing policies and programs for waste reduction, recycling, composting and reuse. [Previous Policy N-34] [N114]

Program S4.9.1 Encourage residential and commercial food waste reduction through incentives, educational outreach and programs. [PTC] [NEW PROGRAM] [N115]

Program S4.9.2 To the extent allowed by law, use refuse rate structures that incentivize waste reduction. [Previous Program N-51] [N116]

Program S4.9.3 Continue to promote composting, including food wastes. [Previous Program N-52] [N117]

Program S4.9.4 Continue to develop and improve recycling and composting programs for all waste generators. [Previous Program N-53] [N118]

Program S4.9.5 Continue to develop long-term solid waste management programs that include environmentally sound disposal methods, composting and other organics processing alternatives, and environmentally responsible recycling programs. [Previous Program N-54] [N119]

Program S4.9.6 Work with CalRecycle and the Department of Toxic Substances Control to develop a City-wide electronics and digital hardware recycling program. [NEW PROGRAM] [N120]

SAFETY ELEMENT

Reduce solid waste generation through increased salvage and reuse of building materials, including architecturally and historically significant materials. [Previous Policy N-35] [N121]

POLICY S4.10 *Program S4.10.1 Periodically review and update the adopted Construction and Debris program. [PTC] [NEW PROGRAM] [N122]*

Program S4.10.2 Educate Palo Alto residents and developers about available incentives to use environmental friendly deconstruction activities to minimize our carbon footprint, to save natural resources, as well as space in our landfills. [PTC] [NEW PROGRAM] [N123]

POLICY S4.11 Support state and federal legislation encouraging the use of recyclable and recycled content goods. [Previous Policy N-38] [N124]

POLICY S4.12 Continue to implement the City's Environmentally Preferred Purchasing policy and programs to reduce waste, toxic product use, resource consumption and to maximize energy efficiency. [PTC] [NEW POLICY] [N125]

Program S4.12.1 Support efforts to enforce extended producer responsibility for solid waste to reduce waste produced from manufacturing, shipping, packaging and the entire life-cycle of the product. [NEW PROGRAM] [N126]

POLICY S4.13 Encourage the use of reusable, returnable, recyclable, and repairable goods, and discourage the use of single use plastic water bottles and extended polystyrene (Styrofoam), through enforcement of the City's 2016 Plastic Foam Ordinance expansion and continued incentives, education, and responsible City purchasing policies. [Previous Policy N-36] [N127]

POLICY S4.14

TELECOMMUNICATIONS AND CYBERSECURITY

Improve access to a range of secure, state-of-the-art telecommunications systems by all households, businesses and institutions in Palo Alto. [NEW POLICY] [N128]

Program S4.14.1 Facilitate marketplace competition from multiple telecommunications providers to improve the overall quality of telecommunications service in Palo Alto. [NEW PROGRAM] [N129]

Program S4.14.2 Establish criteria for the installation of maximum security telecommunications technology in new local government projects. [NEW PROGRAM] [N130]

POLICY S4.15 Secure that the City of Palo Alto's computer and digital infrastructure such that public data, records and utilities are protected from unauthorized external access and internal system failures. [NEW POLICY] [N131]

Program S4.15.1 Complete an inventory of the City's digital infrastructure to locate vulnerabilities and gaps in system redundancies and develop recommendations for improved cybersecurity. [NEW PROGRAM] [N132]

Program S4.15.2 Establish an off-grid wi-fi network that will be available to public safety responders and Emergency Service Volunteers in the event of power interruption during an emergency or disaster. [NEW PROGRAM] [N133]

POWER

POLICY S4.16 Support the development of an independent, redundant power grid in Palo Alto, in order to ensure energy resiliency in the event of natural disasters or other threats. [NEW POLICY] [N134]

Program S4.16.1 Identify solutions to add an additional power line to Palo Alto to ensure redundancy. [NEW PROGRAM] [N135]

Program S4.16.2 Explore incentives to adopt emerging, residential off-grid capabilities and technologies, including back-up power sources vital in the event of natural disasters or other threats. [NEW PROGRAM] [N136]

Program S4.16.3 Continue citywide efforts to underground utility wires to limit injury, loss of life, and damage to property in the event of human-made or natural disasters. [PTC] [NEW PROGRAM] [N137]

Program S4.16.4 Enhance the safety of City-owned natural gas pipeline operations. Work with customers, public safety officials, and industry leaders to ensure the safe delivery of natural gas throughout the service area. Provide safety information to

SAFETY ELEMENT

*all residents on City-owned natural gas distribution pipelines.
[PTC] [NEW PROGRAM] [N138]*

Program S4.16.5 Provide off-grid and/or backup power sources for critical City facilities to ensure uninterrupted power during emergencies and disasters.[NEW PROGRAM] [N139]

5. EMERGENCY MANAGEMENT

GOAL S-5. A Coordinated Plan for Effective Emergency Preparedness and Response.

POLICY S5.1 Follow the guidelines in the Emergency Operations Plan and continue towards implementing the four phases of National Incident Management Systems (NIMS): mitigation/prevention, preparedness, response, and recovery. [PTC] [NEW POLICY] [N140]

Program S5.1.1 Regularly update and make publicly available the City of Palo Alto Emergency Operations Plan (EOP). [PTC] [NEW PROGRAM] [N141]

Program S5.1.2 Participate in local and regional planning efforts to mitigate, prepare for, respond to, and recover from emergencies. [Previous Program N-81] [N142]

Program S5.1.3 Collaborate with the Palo Alto Unified School District to mitigate, prepare for, respond to, and recover from emergencies. [NEW PROGRAM] [N143]

POLICY S5.2 *Program S5.1.4 Implement the mitigation strategies and guidelines provided by the Local Hazard Mitigation Plan, including evolving hazards resulting from climate change. [PTC] [NEW PROGRAM] [N144]*

POLICY S5.3 Ensure continuity of critical City operations, including utilities, public safety, information technology, and others, after natural, technological, or human caused disasters. [PTC] [NEW POLICY] [N145]

Work with other government agencies, neighboring cities, local institutions, non-profit organizations, and private corporations with

established emergency response functions to enhance the City's overall emergency response capabilities. [PTC] [NEW POLICY] [N146]

Program S5.3.1 Encourage multiagency coordination in case of incidents that cross disciplinary or jurisdictional boundaries or coordination that involves complex incident management scenarios. [PTC] [NEW POLICY] [N147]

Program S5.3.2 Explore the establishment of mutually-beneficial cooperative agreements between Palo Alto's police and fire departments and those of neighboring cities. [NEW PROGRAM] [N148]