

2005 General Plan Environmental Resources / Sustainability Element	Community Vision 2040 Environmental Resources and Sustainability Element	Comments
<b>GOAL A:</b> A sustainable future for the City of Cupertino	<b>GOAL ES-1:</b> Ensure a sustainable future for the City of Cupertino	Grammatical edits
<b>Policy 5-1:</b> <u>Principles of Sustainability</u> . Incorporate the principles of sustainability into Cupertino’s planning and development system.	<b>Policy ES-1.1:</b> <u>Principles of Sustainability</u> . Incorporate the principles of sustainability into Cupertino’s planning, infrastructure and development process in order to improve the environment, reduce greenhouse gas emissions and meet the needs of the community without compromising the needs of future generations.	Edited; Comply with AB32
<b>Strategy 1:</b> Appoint a Task Force or Commission to develop an appropriate comprehensive annual Sustainability and Resource Plan for the City. The mission for the Task Force/Commission would be: a. write and keep current the annual Tactical Plan and measurement of City-wide programs to help achieve the Environmental Resources and Sustainability section of the General Plan. b. Identify and evaluate resources, technologies, products and the life-cycle cost of ownership for each recommended. c. Work with City staff to evaluate the financial feasibility of the recommendations.		Not applicable. City hired staff to formulate and implement Sustainability Plan with reporting to the City Council
<b>Strategy 2:</b> <u>Implementation Programs</u> . Adopt and implement energy policies and implementation programs that include the City’s planning and regulatory process.	<b>Strategy ES-1.1.1:</b> <u>Climate Action Plan (CAP)</u> . Adopt, implement and maintain a Climate Action Plan to attain greenhouse gas emission targets consistent with state law and regional requirements. This qualified greenhouse gas emissions reduction plan, by BAAQMD’s definition, will allow for future project CEQA streamlining and will identify measures to: <ul style="list-style-type: none"> <li>• Reduce energy use through conservation and efficiency;</li> <li>• Reduce fossil fuel use through multi-modal and alternative transportation;</li> <li>• Maximize use of and, where feasible, install renewable energy resources;</li> <li>• Increase citywide water conservation and recycled water use;</li> </ul>	Edited to reflect the Climate Action Plan and merged into Strategy ES-1.1.1 as listed below  Strategy ES-1.1.1 merges the following strategies from the 2005 GP: <ul style="list-style-type: none"> <li>• Policy 5-1 Strategy 2</li> <li>• Policy 5-1 Strategy 4</li> </ul>

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<b>Strategy 2 (cont'd)</b>	<ul style="list-style-type: none"> <li>Accelerate Resource Recovery through expanded recycling, composting, extended producer responsibility and procurement practices; and</li> <li>Promote and incentivize each of those efforts to maximize community participation and impacts;</li> <li>Integrate multiple benefits of green infrastructure with climate resiliency and adaptation.</li> </ul>	
<b>Strategy 3: <u>City-Wide Inventory</u>.</b> Conduct a City-wide sustainability inventory in order to identify issues, opportunities and planning alternatives.		Edited; Removed. Incorporated in the preparation of the Climate Action Plan
<b>Strategy 4: <u>Sustainable Energy and Water Conservation Plan</u>.</b> Prepare and implement a comprehensive sustainability energy plan as a part of the City's General Plan. This plan will specifically include recommendations regarding: <ul style="list-style-type: none"> <li>a. Reduction of energy consumption.</li> <li>b. Reduction of fossil fuels.</li> <li>c. Use of renewable energy resources whenever possible.</li> <li>d. Improve City-wide water usage and conservancy.</li> <li>e. Reduce water consumption by the City.</li> <li>f. Promote residential and business water reduction.</li> </ul>	<b>Strategy ES-1.1.1: <u>Climate Action Plan (CAP)</u>.</b> Adopt, implement and maintain a Climate Action Plan to attain greenhouse gas emission targets consistent with state law and regional requirements. This qualified greenhouse gas emissions reduction plan, by BAAQMD's definition, will allow for future project CEQA streamlining and will identify measures to: <ul style="list-style-type: none"> <li>Reduce energy use through conservation and efficiency;</li> <li>Reduce fossil fuel use through multi-modal and alternative transportation;</li> <li>Maximize use of and, where feasible, install renewable energy resources;</li> <li>Increase citywide water conservation and recycled water use;</li> <li>Accelerate Resource Recovery through expanded recycling, composting, extended producer responsibility and procurement practices; and</li> <li>Promote and incentivize each of those efforts to maximize community participation and impacts;</li> <li>Integrate multiple benefits of green infrastructure with climate resiliency and adaptation.</li> </ul>	Edited and merged into Strategy ES-1.1.1 as listed below  Strategy ES-1.1.1 merges the following strategies from the 2005 GP: <ul style="list-style-type: none"> <li>Policy 5-1 Strategy 2 and</li> <li>Policy 5-1 Strategy 4</li> </ul>
<b>Strategy 5: <u>Community Gardens</u>.</b> Encourage community gardens, which provide a more livable environment by controlling physical factors such as temperature, noise, and pollution.		Incorporated in the Stevens Creek Boulevard to McClellan Corridor Master Plan and will be incorporated in the Citywide Parks Master Plan

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<b>GOAL B:</b> Reduced use of non-renewable energy resources	<b>GOAL ES-2:</b> Promote conservation of energy resources	Edited
<b>Policy 5-2:</b> <u>Conservation and Efficient Use of Energy Resources.</u> Encourage the maximum feasible conservation and efficient use of electrical power and natural gas resources for new and existing residences, businesses, industrial and public uses.	<b>Policy ES-2.1:</b> <u>Conservation and Efficient Use of Energy Resources.</u> Encourage the maximum feasible conservation and efficient use of electrical power and natural gas resources for new and existing residences, businesses, industrial and public uses.	No change
<b>Strategy 1:</b> <u>Alternate Energy Sources.</u> Encourage the use of solar energy and other alternate, renewable energy resources for all new and significantly renovated private and public buildings. Ensure that all homes have an acceptable balance of access to the sun and protection from it. Promote new technologies, such as waterless water heaters to effect this change.	<b>Strategy ES-2.1.6:</b> <u>Alternate Energy Sources.</u> Promote and increase the use of alternate and renewable energy resources for the entire community through effective policies, programs and incentives.	Edited
<b>Strategy 2:</b> <u>Comprehensive Energy Management Plan.</u> Prepare and implement a comprehensive energy management plan for all applicable public facilities, equipment and procurement and construction practices.	<b>Strategy ES-2.1.2:</b> <u>Comprehensive Energy Management.</u> Prepare and implement a comprehensive energy management plan for all applicable municipal facilities and equipment to achieve the energy goals established in the City's Climate Action Plan. Track the City's energy use and report findings as part of the Climate Action Plan reporting schedule. Embed this plan into the City's Environmentally Preferable Procurement Policy to ensure measures are achieved through all future procurement and construction practices.	Edited to incorporate reporting requirements
<b>Strategy 3:</b> <u>Consistency with State and Federal Regulation.</u> Review and evaluate applicable City codes, ordinances, and procedures for inclusion of local, state and federal policies and standards that promote the conservation and efficient use of energy and for consistency with the goal of sustainability. Change those that will promote energy efficiency without a punitive effect.	<b>Strategy ES-2.1.1:</b> <u>Coordination.</u> Continue to evaluate, and revise as necessary, applicable City plans, codes and procedures for inclusion of Federal, State and regional requirements and conservation targets.	Edited

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<b>Strategy 4: <u>Energy Efficient Replacements</u>.</b> Using life cycle cost analysis, identify City assets for replacement with more energy efficient replacements.	<b>Strategy ES-2.1.3: <u>Energy Efficient Replacements</u>.</b> Continue to use life cycle cost analysis to identify City assets for replacement with more energy efficient technology. Utilize available tools to benchmark and showcase city energy efficiency achievements (i.e. EPA Portfolio Manager, statewide Green Business Program).	Edited  Incorporates benchmarking and achievement reporting
<b>Strategy 5: <u>Incentive Program</u>.</b> Implement an incentive program to include such items as reduced permit fees for building projects that exceed Title 24 requirements. Promote other incentives from the State, County and Federal Governments for improving energy efficiency by posting information regarding incentive, rebate and tax credit programs on the City's web site. Let's make learning about this easy and help those interested get started!	<b>Strategy ES-2.1.4: <u>Incentive Program</u>.</b> Consider incentive programs for projects that exceed mandatory requirements and promote incentives from state, county and federal governments for improving energy efficiency and expanding renewable energy installations.	Updated. Removed editorial text
<b>Strategy 6: <u>Solar Access Standards</u>.</b> Ensure compliance with the State of California Subdivision Map Act solar access standards in order to maximize natural heating and cooling opportunities for future residences. Encourage the inclusion of additional shade trees and landscaping for energy efficiency.	<b>Strategy ES-2.1.5: <u>Urban Forest</u>.</b> Encourage the inclusion of additional shade trees, vegetated stormwater treatment and landscaping to reduce the "heat island effect" in development projects.	Solar access governed by state law (Subdivision Map Act)
<b>Strategy 7: Educational Programs.</b> <ul style="list-style-type: none"> <li>• Develop conservation/efficiency educational programs serving all utility users.</li> <li>• Provide informational materials and participate in energy conservation workshops.</li> <li>• Provide educational materials, seminar and staff training on energy conservation/efficiency for those who design, build and manage building facilities, and for those who regulate building design and construction.</li> </ul>	<b>Strategy ES-2.1.9: <u>Energy Efficient Transportation Modes</u>.</b> Continue to encourage fuel-efficient transportation modes such as alternative fuel vehicles, driverless vehicles, public transit, car and van-pooling, community and regional shuttle systems, car and bike sharing programs, safe routes to schools, commuter benefits, and pedestrian and bicycle paths through infrastructure investment, development incentives, and community education.	Edited and merged into Strategy ES-2.1.9 and Policy ES-7.10 as listed below; Details are incorporated in the City's Climate Action Plan  Strategy ES-2.1.9 merges the following strategies from the 2005 GP: <ul style="list-style-type: none"> <li>• Policy 5-2 Strategy 7</li> <li>• Policy 5-2 Strategy 11</li> </ul>

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<p><b>Strategy 7 (cont'd)</b></p> <ul style="list-style-type: none"> <li>• In partnership with De Anza College develop a “Sustainable Building Practices” guide for Cupertino residents and businesses. The Guide should include information regarding current rebates and subsidies to make implementing a sustainable building more financially attractive with references back to the City, State, Federal and other web sites for up-to-date information.</li> <li>• Provide education materials, seminars and a certification program for contractors and architects who have participated in “Sustainable Building” courses. Many of the curriculums are currently available at De Anza College. As an incentive for participating in the “Sustainable Building” program the City will maintain a “Sustainable Builder/ Developer” page on their current City website. This page will not be an endorsement of the individual or company listed, but a resource center for the community.</li> <li>• Establish and maintain an Energy Information Center or Kiosk at City Hall where information concerning energy issues, building standards, recycling and assistance is available.</li> <li>• Require residents and businesses that are remodeling to review and sign as acknowledgment that they have reviewed the “Sustainable Building Practices” guide prior to permits being issued.</li> </ul>	<p><b>Policy ES-7.10: <u>Public Education Regarding Resource Conservation.</u></b> Provide public information regarding resource conservation.</p>	<p>Policy ES-7.10 merges the following policies and strategies from the 2005 GP:</p> <ul style="list-style-type: none"> <li>• Policy 5-2 Strategy 7</li> <li>• Policy 5-3 Strategy 6</li> <li>• Policy 5-30</li> <li>• Policy 5-41</li> <li>• Policy 5-41 Strategy</li> </ul>
<p><b>Strategy 8: <u>Energy Cogeneration Systems.</u></b> Encourage the use of energy cogeneration systems through the provision of an awareness program targeting the larger commercial and industrial users and public facilities.</p>	<p><b>Strategy ES-2.1.7: <u>Energy Cogeneration Systems.</u></b> Encourage the use of energy cogeneration systems through the provision of an awareness program targeting the larger commercial and industrial users and public facilities.</p>	<p>No change</p>

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<p><b>Strategy 9: <u>Regulation of Building Design</u>.</b> Ensure designer, developers, applicants and builders meet California Title 24 Energy Efficient Building Standards and encourage architects, building designers and contractors to exceed “Title 24” requirements for new projects through the provision of incentives. Encourage either passive solar heating and/or dark plaster interior with a cover for swimming pools, cabanas and other related accessory uses where solar access is available. Encourage the use of alternative renewable sources where feasible, and develop energy audits or subvention programs.</p>		<p>Inapplicable and repetitive; New or renovated projects must meet Building Codes and the City’s Green Building Ordinance</p>
<p><b>Strategy 10: <u>Use of Discretionary Development Permits (Use Permits)</u>.</b> Require, as conditions of approval for new and renovated projects, the provision of energy conservation/efficiency applications.</p>		<p>Not applicable. New or renovated projects must meet Building code and Green Building Ordinance requirements</p>
<p><b>Strategy 11: <u>Energy Efficient Transportation Modes</u>.</b> Encourage alternative, energy efficient transportation modes such as “clean” multi-modal public transit, car and vanpooling, flexible work hours, and pedestrian and bicycle paths.</p>	<p><b>Strategy ES-2.1.9: <u>Energy Efficient Transportation Modes</u>.</b> Continue to encourage fuel-efficient transportation modes such as alternative fuel vehicles, driverless vehicles, public transit, car and van-pooling, community and regional shuttle systems, car and bike sharing programs, safe routes to schools, commuter benefits, and pedestrian and bicycle paths through infrastructure investment, development incentives, and community education.</p>	<p>Edited and merged into Strategy ES-2.1.9 as listed below</p> <p>Strategy ES-2.1.9 merges the following strategies from the 2005 GP:</p> <ul style="list-style-type: none"> <li>• Policy 5-2 Strategy 7</li> <li>• Policy 5-2 Strategy 11</li> </ul>
<p><b>GOAL C:</b> Energy conserving and efficient buildings</p>	<p><b>GOAL ES-3:</b> Improve building efficiency</p>	<p>Edited</p>
<p><b>Policy 5-3: <u>Green Building Design</u>.</b> Set standards for the design and construction of energy and resource conserving/efficient building (Green Building Design).</p>	<p><b>Policy ES-3.1: <u>Green Building Design</u>.</b> Set standards for the design and construction of energy and resource conserving/efficient building.</p>	<p>Edited by deleting redundant ‘(Green Building Design)’ reference at end of policy</p>

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<p><b>Strategy 1: “Green Building” Program.</b> Prepare and implement “Green Building” standards for all major private and public projects that ensure reduction in energy consumption for new development through site and building design.</p>	<p><b>Strategy ES-3.1.1: Green Building Program.</b> Periodically review and revise the City’s Green Building ordinance to ensure alignment with CALGreen requirements for all major private and public projects that ensure reduction in energy and water use for new development through site selection and building design.</p> <p><b>Strategy ES-3.1.4: Green Building Demonstration.</b> Pursue municipal facility retrofits, through a Green Capital Improvement Program (CIP), and new construction projects that exceed CALGreen and achieve third-party certification criteria (i.e. LEED, Living Building Challenge, Zero Net Energy) as a means of creating demonstration spaces for developer and community enrichment.</p>	<p>Edited and split</p> <p>Edited to reflect adopted Green Building Ordinance and new CALGreen requirements per State Building Codes</p>
<p><b>Strategy 2: Building energy audits.</b> Participate in and encourage building energy audits, where feasible, for commercial, industrial and city facilities and convey to the business and industrial communities that energy conservation/efficiency is, in the long term, economically beneficial. PG&amp;E also offers energy evaluation tools and services free of charge.</p>	<p><b>Strategy ES-2.1.8: Energy Audits and Financing.</b> Continue to offer and leverage regional partners’ programs to conduct energy audits and/or subvention programs for homes, commercial, industrial and city facilities, and recommend improvements that lead to energy and cost savings opportunities for participants and encourage adoption of alternative energy technologies. Encourage energy audits to include emerging online and application-based energy analytics and diagnostic tools. Share residential and commercial energy efficiency and renewable energy financing tools through outreach events and civic media assets.</p>	<p>Updated</p>
<p><b>Strategy 3: “Green Buildings” Evaluation Guide.</b> Prepare a “Green Buildings” evaluation guide based upon the above listed “essential components” for use by the city staff when reviewing projects.</p>		<p>Complete; Use the Green Building Ordinance</p>
<p><b>Strategy 4: Staff Training.</b> Train appropriate staff in the design principles, costs and benefits of energy conservation/efficient buildings and landscape design.</p>	<p><b>Strategy ES-3.1.2: Staff Training.</b> Continue to train appropriate City staff in the design principles, costs and benefits of sustainable building and landscape design. Encourage City staff to attend external trainings on these topics and attain relevant program certifications (e.g., Green Point Rater, LEED Accredited Professional).</p>	<p>Updated</p>

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<p><b>Strategy 5: <u>“Green Buildings” Informational Seminars.</u></b> Conduct and/or participate in “Green Buildings” informational seminars and workshops to include people involved in the design and construction industry, land development, real estate sales, lending institutions, landscaping and design, the building maintenance industry and prospective project applicants. We recommend modeling this program after the CERT program.</p>	<p><b>Strategy ES-3.1.3: <u>Green Buildings Informational Seminars.</u></b> Conduct and/or participate in Green Building informational seminars and workshops for members of the design and construction industry, land development, real estate sales, lending institutions, landscaping and design, the building maintenance industry and prospective project applicants.</p>	<p>Grammatical edits</p>
<p><b>Strategy 6: <u>Public Communication.</u></b> Become a regular feature article in the Cupertino Scene, do media outreach to the Courier and the Guide (San Jose Mercury) tape the Sustainable Building and other conservation courses, or seminars and broadcast them on the City Channel as well, and make them available at the Library.</p>	<p><b>Policy ES-7.10: <u>Public Education Regarding Resource Conservation.</u></b> Provide public information regarding resource conservation.</p>	<p>Edited and merged into Policy ES-7.10 as listed below</p> <p>Policy ES-7.10 merges the following policies and strategies from the 2005 GP:</p> <ul style="list-style-type: none"> <li>• Policy 5-2 Strategy 7</li> <li>• Policy 5-3 Strategy 6</li> <li>• Policy 5-30</li> <li>• Policy 5-41</li> <li>• Policy 5-41 Strategy</li> </ul>
<p><b>GOAL D:</b> Healthy air quality levels for the citizens of Cupertino utilizing local planning efforts</p>	<p><b>GOAL ES-4:</b> Maintain healthy air quality levels</p>	<p>Edited</p>
<p><b>Policy 5-4: <u>Air Pollution Effects of New Development.</u></b> Minimize the air quality impacts of new development projects and the impacts affecting new development.</p>	<p><b>Policy ES-4.1: <u>New Development.</u></b> Minimize the air quality impacts of new development projects and air quality impacts that affect new development.</p>	<p>Grammatical edits</p>
<p><b>Strategy 1: <u>Toxic Air Contaminants.</u></b> Review projects for potential generation of toxic air contaminants at the time of approval and confer with BAAQMD on controls needed if impacts are uncertain.</p>	<p><b>Strategy ES-4.1.1: <u>Toxic Air Contaminants.</u></b> Continue to review projects for potential generation of toxic air contaminants at the time of approval and confer with Bay Area Air Quality Management District on controls needed if impacts are uncertain.</p>	<p>Grammatical edits</p>
<p><b>Strategy 2: <u>Dust Control.</u></b> Require water application to non-polluting dust control measures during demolition and the duration of the construction period.</p>	<p><b>Strategy ES-4.1.2: <u>Dust Control.</u></b> Continue to require water application to non-polluting dust control measures during demolition and the duration of the construction period.</p>	<p>Grammatical edits</p>



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<b>Strategy 3: <u>Planning Decisions</u>.</b> Assess the potential for air pollution effects of future land use and transportation planning, and ensure that planning decisions support regional goals of improving air quality.	<b>Strategy ES-4.1.3: <u>Planning</u>.</b> Ensure that land use and transportation plans support air quality goals.	Edited
<b>Strategy 4: <u>Environmental Review</u>.</b> Evaluate the relationship of sensitive receptors, such as convalescent hospitals and residential uses, to pollution sources through the environmental assessment of new development.		Not applicable; This is a requirement of the California Environmental Quality Act
<b>Policy 5-5: <u>Air Pollution Effects of Existing Development</u>.</b> Minimize the air quality impacts of existing development.	<b>Policy ES-4.2: <u>Existing Development</u>.</b> Minimize the air quality impacts of existing development.	Grammatical edits
<b>Strategy 1: <u>Public Education Program</u>.</b> Establish a City wide public education program regarding the implications of the Clean Air Act and provide information on ways to reduce and control emissions; provide information about carpooling and restricting physical activities on "Spare the Air" high-pollution days.	<b>Strategy ES-4.2.1: <u>Public Education Program</u>.</b> Establish a city wide public education program providing information on ways to reduce and control emissions; and continue to provide information about alternative commutes, carpooling and restricting exacerbating activities on "Spare the Air" high-emissions days.	Grammatical edits
<b>Strategy 2: <u>Home Occupations</u>.</b> Expand the allowable home occupations in residentially zoned properties to reduce the need to commute to work.	<b>Strategy ES-4.2.2: <u>Home Occupations</u>.</b> Review and consider expanding the allowable home occupations in residentially zoned properties to reduce the need to commute to work.	Edited
<b>Strategy 3: <u>Tree Planting</u>.</b> Increase planting of trees on City property and encourage the practice on private property.	<b>Strategy ES-4.2.3: <u>Urban Forest</u>.</b> Review and enhance the City's tree planting and landscaping program and requirements for private development to reduce air pollution levels.	Edited  <u>Note:</u> 'Urban Forest' is used multiple times as a Strategy title in the ES Element; recommend changing title for Strategy ES-4.2.3 to 'Private Development Landscaping' to avoid confusion

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<b>Strategy 4: <u>Fuel-efficient Vehicles</u>.</b> Maintain City use of fuel-efficient and low polluting vehicles.	<b>Strategy ES-4.2.4: <u>Fuel-efficient Vehicles and Use</u>.</b> Prioritize the purchase, replacement and ongoing use of fuel-efficient and low polluting City fleet vehicles. Update applicable policies and programs to require life cycle cost analyses and include alternative fueling infrastructure review and related funding allocations. Update the Vehicle Use Policy and pursue fleet management best practices to support fuel conservation, scheduled maintenance and fleet fuel tracking. Pursue available grant funding to offset the cost of implementing these programs.	Edited; Updated to reflect the City's most recent policy on fleet management
<b>Strategy 5:</b> Work with County to monitor and influence improvement of emissions and dust from the Hanson and Stevens Creek Quarries on the West end of the City.	<b>Strategy ES-4.2.5: <u>Point Sources of Emissions</u>.</b> Continue to seek the cooperation of the BAAQMD to monitor emissions from identified point sources that impact the community. In addition, for sources not within the regulatory jurisdiction of the City, seek cooperation from the applicable regulatory authority to encourage reduction of emissions and dust from the point source.	Edited to address all point sources of emissions in and outside the City.
<b>Policy 5-6: <u>Walking, Jogging and Bicycling</u>.</b> Encourage walking, jogging and bicycling instead of driving in the City.		Repetitive. See policies regarding this in the Mobility Element
<b>Policy 5-7: <u>Use of Open Fires and Fireplaces</u>.</b> Discourage high pollution fireplace use.	<b>Policy ES-4.3: <u>Use of Open Fires and Fireplaces</u>.</b> Discourage high pollution fireplace use.	No change
<b>Strategy 1: <u>BAAQMD Literature</u>.</b> Make available BAAQMD literature on reducing pollution from fireplace use.	<b>Strategy ES-4.3.1: <u>Education</u>.</b> Continue to make BAAQMD literature on reducing pollution from fireplace use available.	Grammatical edits
<b>Strategy 2: <u>Installation of New Fireplaces</u>.</b> Prohibit the use of wood-burning fireplaces in new construction, except for Environmental Protection Agency Certified Woodstoves.	<b>Strategy ES-4.3.2: <u>Fireplaces</u>.</b> Continue to prohibit new wood-burning fireplaces, except EPA certified wood stoves as allowed by the Building Code.	Grammatical edits
<b>GOAL E:</b> Protection of special areas of natural vegetation and wildlife habitation as integral parts of the sustainable environment.	<b>GOAL ES-5:</b> Protect the city's urban and rural ecosystems	Edited

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<p><b>Policy 5-8: <u>Public Project Landscaping.</u></b> Encourage public and quasi-public agencies to landscape their city area projects near native vegetation with appropriate native plants and drought tolerant, non-invasive, non-native plants.</p> <p><b>Strategy: <u>Development Plans.</u></b> Review development plans for opportunities for use of native plants and drought tolerant, non-invasive, non-native plants.</p>	<p><b>Policy ES-5.1: <u>Urban Ecosystem.</u></b> Manage the public and private development to ensure the protection and enhancement of its urban ecosystem.</p> <p><b>Strategy ES-5.1.1: <u>Urban Forest.</u></b> Ensure that the City’s tree planting, landscaping and open space policies enhance the urban ecosystem by encouraging medians, pedestrian-crossing curb-extensions planting that is native, drought-tolerant, treats stormwater and enhances urban plant, aquatic and animal resources.</p> <p><b>Strategy ES-5.1.2: <u>Built Environment.</u></b> Ensure that sustainable landscaping design is incorporated in the development of City facilities, parks and private projects with the inclusion of measures such as tree protection, stormwater treatment and planting of native, drought tolerant landscaping that is beneficial to the environment</p>	<p>Edited, split and merged into Policy ES-5.1 and Strategy ES-5.1.1 as listed below</p> <p>Policy ES-5.1 and Strategy ES-5.1.2 merge the following policy and strategy from the 2005 GP:</p> <ul style="list-style-type: none"> <li>• Policy 5-8</li> <li>• Policy 5-8 Strategy</li> </ul> <p><u>Note:</u> ‘Urban Forest’ is used multiple times as a Strategy title in the ES Element; recommend changing title for Strategy ES-5.1.1 to ‘Landscaping in Public Right-of-Way’ to avoid confusion</p>
<p><b>Policy 5-9: <u>Development Near Sensitive Areas.</u></b> Encourage the clustering of new development away from sensitive areas such as riparian corridors, wildlife habitat and corridors, public open space preserves and ridgelines. New developments in these areas must have a harmonious landscaping plans approved prior to development.</p>	<p><b>Policy ES-5.2: <u>Development near Sensitive Areas.</u></b> Encourage the clustering of new development away from sensitive areas such as riparian corridors, wildlife habitat and corridors, public open space preserves and ridgelines. New developments in these areas must have a harmonious landscaping plan approved prior to development.</p>	<p>Corrected typographical error and merged into Policy ES-5.2 as listed below</p> <p>Policy ES-5.2 merges the following policies from the 2005 GP:</p> <ul style="list-style-type: none"> <li>• Policy 5-9</li> <li>• Policy 5-22</li> </ul>
<p><b>Strategy: <u>Riparian Corridor Protection.</u></b> Require riparian corridor protection through a riparian corridor ordinance and through the development approval process.</p>	<p><b>Strategy ES-5.2.1: <u>Riparian Corridor Protection.</u></b> Require the protection of riparian corridors through the development approval process.</p>	<p>Edited; Riparian Ordinance not required since requirements are dictated through the Regional Water Quality Board and Santa Clara Valley Water District</p>

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<p><b>Policy 5-10:</b> <u>Landscaping Near Natural Vegetation</u>. Emphasize drought tolerant and pest-resistant native and non-invasive, non-native, drought tolerant plants and ground covers when landscaping properties near natural vegetation, particularly for control of erosion from disturbance to the natural terrain.</p> <p><b>Policy 5-11:</b> <u>Natural Area Protection</u>. Preserve and enhance the existing natural vegetation, landscape features and open space when new development is proposed.</p>	<p><b>Policy ES-5.3:</b> <u>Landscaping in and near Natural Vegetation</u>. Preserve and enhance existing natural vegetation, landscape features and open space when new development is proposed within existing natural areas. When development is proposed near natural vegetation, encourage the landscaping to be consistent with the palette of vegetation found in the natural vegetation.</p>	<p>Edited and merged into Policy ES-5.3 as listed below</p> <p>Policy ES-5.3 merges the following policies from the 2005 GP:</p> <ul style="list-style-type: none"> <li>• Policy 5-10</li> <li>• Policy 5-11</li> </ul>
<p><b>Strategy:</b> <u>Native Plants</u>. Encourage drought tolerant native and drought tolerant, non-invasive, non-native plants and trees, and minimize lawn area in the hillsides.</p>	<p><b>Strategy ES-5.3.1:</b> <u>Native Plants</u>. Continue to emphasize the planting of native, drought tolerant, pest resistant, non-invasive, climate appropriate plants and ground covers, particularly for erosion control and to prevent disturbance of the natural terrain</p> <p><b>Strategy ES-5.3.2:</b> <u>Hillsides</u>. Minimize lawn area in the hillsides.</p>	<p>Edited and split</p>
<p><b>Policy 5-12:</b> <u>Hillside Property Fencing</u>. Confine fencing on hillside property to the area around a building, rather than around an entire site, to allow for migration of wild animals.</p>	<p><b>Policy ES-5.4:</b> <u>Hillside Wildlife Migration</u>. Confine fencing on hillside property to the area around a building, rather than around an entire site, to allow for migration of wild animals.</p>	<p>Grammatical edits</p>
<p><b>Policy 5-13:</b> <u>Recreation in Natural Areas</u>. Limit recreation in natural areas to activities compatible with preserving natural vegetation, such as hiking, horseback riding, mountain biking and camping.</p>	<p><b>Policy ES-5.5:</b> <u>Recreation and Natural Vegetation</u>. Limit recreation in natural areas to activities compatible with preserving natural vegetation, such as hiking, horseback riding, mountain biking and camping.</p>	<p>Grammatical edits</p>
<p><b>Policy 5-14:</b> <u>Recreation and Wildlife Trails</u>. Provide open space linkages within and between properties for both recreational and wildlife activities, most specifically for the benefit of wildlife that is threatened, endangered or designated as species of special concern.</p>	<p><b>Policy ES-5.6:</b> <u>Recreation and Wildlife</u>. Provide open space linkages within and between properties for both recreational and wildlife activities, most specifically for the benefit of wildlife that is threatened, endangered or designated as species of special concern.</p>	<p>Grammatical edits</p>

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<p><b>Strategy:</b> Require identification of creeks and water courses on site plans and require that they be protected from adjacent development. State that trail easements for trail linkages may be required if analysis determines that they are needed.</p>	<p><b>Strategy ES-5.6.1:</b> <u>Creek and Water Course Identification.</u> Require identification of creeks and water courses on site plans and require that they be protected from adjacent development.</p> <p><b>Strategy ES-5.6.2:</b> <u>Trail Easements.</u> Consider requiring easements for trail linkages if analysis determines that they are needed.</p> <p><b>Strategy ES-7.1.1:</b> <u>Public and Private Development Plans.</u> Continue to require topographical information; identification of creeks, streams and drainage areas; and grading plans with development proposals.</p>	<p>Edited and split</p>
<p><b>GOAL F:</b> Mineral resource areas that minimize community impacts and identify future uses</p>	<p><b>GOAL ES-6:</b> Minimize impacts of available mineral resources</p>	<p>Edited</p>
<p><b>Policy 5-15:</b> <u>Mineral Resource Areas.</u> Consider new mineral resource areas within Cupertino's sphere of influence, but the cumulative impact of existing and proposed activity should not exceed present operations in terms of noise and traffic. Work with Santa Clara County to assure that mining operations outside the City limits are consistent with the City's General Plan, that restoration plans are adequate, and that mining activity is not extended into undisturbed lands without adequate documentation of economic purpose and environmental impacts and mitigations.</p>	<p><b>Policy ES-6.1:</b> <u>Mineral Resource Areas.</u> Cooperatively work with Santa Clara County to ensure that plans for restoration and mining operations at Lehigh Hanson and Stevens Creek quarries consider environmental impacts and mitigations.</p>	<p>Edited; Portions of the existing policy is not legally enforceable or implementable</p>
<p><b>Strategy 1:</b> <u>Traffic and Noise Studies.</u> Perform traffic and noise studies if applications for increased mineral extraction activities are proposed.</p>		<p>Completed; Studies will be required through the California Environmental Quality Act</p>
<p><b>Strategy 2:</b> <u>Joint Study Process.</u> Establish a joint study process in the sphere of influence and boundary agreement areas with Santa Clara County to reach agreement on future land uses and mineral extraction activities.</p>	<p><b>Strategy ES-6.1.1:</b> <u>Public Participation.</u> Encourage the Santa Clara County to engage with the affected neighborhoods when considering changes to restoration plans and mineral extraction activity.</p>	<p>Edited; Not legally enforceable or implementable as written. Edited to encourage public outreach</p>

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<b>Policy 5-16:</b> <u>Mineral Extraction Controls</u> . Control scenic restoration and noise pollution as well as air and water pollution in mineral extraction quarrying, processing and transportation		Not applicable; There are no mining operations within the City's jurisdiction. These policies are unenforceable and not implementable outside the City's jurisdiction
<b>Policy 5-17:</b> <u>Incompatible Land Uses</u> . Conserve mineral resource areas outside the City.		Not applicable; Not legally enforceable or implementable for areas outside the City
<b>Strategy:</b> <u>New Development</u> . When new development is proposed, do not allow incompatible land uses in and around identified mineral resource areas. Uses considered incompatible are high density residential, low density residential with high unit value, public facilities and industrial and commercial uses with intensive impacts.		Not applicable; Not legally enforceable or implementable for areas outside the City
<b>Policy 5-18:</b> <u>Recreation at Old Quarries</u> . Consider the desirability of designating abandoned quarries for passive recreation to rehabilitate the land.	<b>Strategy ES-6.1.2:</b> <u>Recreation in Depleted Mining Areas</u> . Consider designating abandoned quarries for passive recreation to enhance plant and wildlife habitat and rehabilitate the land.	Edited and changed from Policy to Strategy
<b>GOAL G:</b> Protection and efficient use of water resources	<b>GOAL ES-7:</b> Ensure protection and efficient use of water resources	Grammatical edits and merged into Goal ES-7 as listed below  Goal ES-7 merges the following goals from the 2005 GP: <ul style="list-style-type: none"> <li>• Goal G</li> <li>• Goal H</li> </ul>
<b>Policy 5-19:</b> <u>Natural Water Bodies and Drainage Systems</u> . Require that site design respect the natural topography and drainages to the extent practicable to reduce the amount of grading necessary and limit disturbance to natural water bodies and natural drainage systems caused by development including roads, highways, and bridges.	<b>Policy ES-7.1:</b> <u>Natural Water Bodies and Drainage Systems</u> . In public and private development, use low impact development (LID) principles to mimic natural hydrology, minimize grading and protect or restore natural drainage systems.	Edited; Reflects current requirements including low impact development (LID)

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<b>Policy 5-20:</b> <u>Reduction of Impervious Surfaces</u> . Minimize storm water flow and erosion impacts resulting from development.	<b>Policy ES-7.2:</b> <u>Reduction of Impervious Surfaces</u> . Minimize stormwater runoff and erosion impacts resulting from development and use low impact development (LID) designs to treat stormwater or recharge groundwater	Edited. Reflects current requirements including LID
<b>Strategy 1:</b> Change City codes to include a formula regulating how much paved surface is allowable on each lot. This would include driveways and patios installed at the time of building or remodeling.	<b>Strategy ES-7.2.1:</b> <u>Lot Coverage</u> . Consider updating lot coverage requirements to include paved surfaces such as driveways and on-grade impervious patios to incentivize the construction of pervious surfaces.	Edited
<b>Strategy 2:</b> Encourage the use of non-impervious materials for walkways and driveways. If used in a City or quasi-public area, mobility and access for handicapped should always take precedent.	<b>Strategy ES-7.2.2:</b> <u>Pervious Walkways and Driveways</u> . Encourage the use of pervious materials for walkways and driveways. If used on public or quasi-public property, mobility and access for the disabled should take precedence.	Grammatical edits
<b>Strategy 3:</b> Minimize impervious surface areas, minimizing directly-connected impervious surfaces, maximizing onsite infiltration and using on-site retaining facilities.	<b>Strategy ES-7.2.3:</b> <u>Maximize Infiltration</u> . Minimize impervious surface areas, and maximize on-site filtration and the use of on-site retention facilities.	Grammatical edits and merged into Strategy ES-7.2.3 as listed below  Strategy ES-7.2.3 merges the following strategies from the 2005 GP: <ul style="list-style-type: none"> <li>• Policy 5-20 Strategy 3</li> <li>• Policy 5-34</li> </ul>
<b>Strategy 4:</b> Encourage volunteer organizations to help restore and clean the creek beds.	<b>Strategy ES-7.3.2:</b> <u>Creek Clean Up</u> . Encourage volunteer organizations to help clean creek beds to reduce pollution and help return waterways to their natural state.	Edited
<b>Policy 5-21:</b> <u>Pollution and Flow Impacts</u> . Prior to making land use decisions, estimate increases in pollutant loads and flows resulting from projected future development to avoid surface and groundwater quality impacts.	<b>Policy ES-7.3:</b> <u>Pollution and Flow Impacts</u> . Ensure that surface and groundwater quality impacts are reduced through development review and volunteer efforts.	Edited and merged into Policy ES-7.3 as listed below  Policy ES-7.3 merges the following policies from the 2005 GP: <ul style="list-style-type: none"> <li>• Policy 5-21</li> <li>• Policy 5-36</li> </ul>
<b>Strategy:</b> <u>Best Management Practices</u> . Require incorporation of structural and non-structural Best Management Practices (BMPs) to mitigate the projected increases in pollutant loads and flows.	<b>Strategy ES-7.3.1:</b> <u>Development Review</u> . Require LID designs such as vegetated stormwater treatment systems and green infrastructure to mitigate pollutant loads and flows.	Edited; Reflects current terminology (LID)

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<b>Policy 5-22:</b> <u>Compact Development Away from Sensitive Areas</u> . Where such measures do not conflict with other municipal purposes or goals, encourage, via zoning or ordinances, compact development located away from creeks, wetlands, and other sensitive areas.	<b>Policy ES-5.2:</b> <u>Development near Sensitive Areas</u> . Encourage the clustering of new development away from sensitive areas such as riparian corridors, wildlife habitat and corridors, public open space preserves and ridgelines. New developments in these areas must have a harmonious landscaping plan approved prior to development.	Edited and merged into Policy ES-5.2 as listed below  Policy ES-5.2 merges the following policies from the 2005 GP: <ul style="list-style-type: none"> <li>• Policy 5-9</li> <li>• Policy 5-22</li> </ul>
<b>Policy 5-23:</b> <u>Conformance with Watershed-Based Planning and Zoning</u> . Encourage development projects to follow watershed-based planning and zoning by examining the project in the context of the entire watershed area.	<b>Policy ES-7.4:</b> <u>Watershed Based Planning</u> . Review long-term plans and development projects to ensure good stewardship of watersheds.  <b>Strategy ES-7.4.3:</b> <u>Development</u> . Review development plans to ensure that projects are examined in the context of impacts on the entire watershed.	Edited, split and changed from Policy to Policy and Strategy
<b>Policy 5-24:</b> <u>Ground Water Recharge Sites</u> . Support the Santa Clara Valley Water District to find and develop groundwater recharge sites within Cupertino's planning area and provide for public recreation at the sites where possible.	<b>Policy ES-7.5:</b> <u>Groundwater Recharge Sites</u> . Support the Santa Clara Valley Water District efforts to find and develop groundwater recharge sites within Cupertino and provide public recreation where possible.	Edited
<b>Policy 5-25:</b> <u>Other Water Sources</u> . Encourage the research of other water sources, including water reclamation.	<b>Policy ES-7.6:</b> <u>Other Water Sources</u> . Encourage the research of other water sources, including water reclamation.	No change
<b>Policy 5-26:</b> <u>Industrial Water Recycling</u> . Encourage industrial projects, especially at the building permit approval stage, to have long-term conservation measures including recycling equipment for manufacturing and pooling water supplies in the plant. Work with the Cupertino Sanitary District to carry out this policy.	<b>Policy ES-7.7:</b> <u>Industrial Water Recycling</u> . Encourage industrial projects, in cooperation with the Cupertino Sanitary District, to have long-term conservation measures, including recycling equipment for manufacturing and water supplies in the plant.	Grammatical edits
<b>Policy 5-27:</b> <u>Natural Water Courses</u> . Retain and restore creek beds, riparian corridors, watercourses and associated vegetation in their natural state to protect wildlife habitat and recreation potential and assist groundwater percolation. Encourage land acquisition or dedication of such areas.	<b>Policy ES-7.8:</b> <u>Natural Water Courses</u> . Retain and restore creek beds, riparian corridors, watercourses and associated vegetation in their natural state to protect wildlife habitat and recreation potential and assist in groundwater percolation. Encourage land acquisition or dedication of such areas.	Grammatical edits



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<b>Strategy:</b> <u>Santa Clara Valley Water District</u> . Work with the Santa Clara Valley Water District and other relevant regional agencies to enhance riparian corridors and provide adequate flood control by use of flow increase mitigation measures.	<b>Strategy ES-7.8.1:</b> <u>Inter-Agency Coordination</u> . Work with the Santa Clara Valley Water District and other relevant regional agencies to enhance riparian corridors and provide adequate flood control by use of flow increase mitigation measures.	Grammatical edits
<b>Policy 5-28:</b> <u>Interagency Coordination</u> . Actively pursue interagency coordination for regional water supply problem solving.	<b>Policy ES-7.9:</b> <u>Inter-Agency Coordination for Water Conservation</u> . Continue to coordinate citywide water conservation and regional water supply problem solving efforts with the Santa Clara Valley Water District (SCVWD), San Jose Water Company and California Water Company.	Edited
<b>Policy 5-29:</b> <u>Coordination of Local Conservation Policies with Region-wide Conservation Policies</u> . Coordinate city-wide water conservation efforts with the Santa Clara Valley Water District efforts being conducted on a regional scale. Many of these conservation efforts are outlined in the Santa Clara Valley Water District Drought Plan and Countywide Water Use Reduction program.	<b>Strategy ES-7.9.1:</b> <u>Water Conservation Measures</u> . Implement the mandatory water conservation measures and encourage the implementation of voluntary water conservation measures from the City's water retailers and SCVWD, in times of drought.	Edited

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<p><b>Policy 5-30: <u>Public Information Effort</u>.</b> Provide the public information regarding water conservation/efficiency techniques, including how paving and other impervious surfaces impact runoff.</p> <p><b>Strategy:</b> Consider sending regular notices to households and businesses on water prohibitions, water allocations and conservation tips. Become a regularly featured article in the Cupertino Scene, Courier and Guide. Provide conservation videotapes on the City's government channel.</p> <p>Include water-wise demonstration gardens in some parks where feasible as they are re-landscaped or improved using draught tolerant native and non-invasive, non-native plants.</p> <p>Work with the County Master Gardeners to identify water-wise plant materials and irrigation methods for use in public and private areas. This information should be posted on the Sustainable portion of the City's web site and included in Cupertino Scene Sustainable column.</p>	<p><b>Policy ES-7.10: <u>Public Education Regarding Resource Conservation</u>.</b> Provide public information regarding resource conservation.</p> <p><b>Strategy ES-7.10.1: <u>Outreach</u>.</b> Continue to send educational information and notices to households and businesses with water prohibitions, water allocations and conservation tips. Continue to offer featured articles in the Cupertino Scene and Cupertino Courier. Consider providing Public Service Announcements on the City's Channel and Cupertino Radio.</p> <p><b>Strategy ES-7.10.2: <u>Demonstration Gardens</u>.</b> Consider including water-wise demonstration gardens in some parks where feasible as they are re-landscaped or improved using drought tolerant native and non-invasive, and non-native plants.</p>	<p>Edited and merged into Policy ES-7.10 and Strategy ES-7.10.1 as listed below</p> <p>Policy ES-7.10 merges the following policies and strategies from the 2005 GP:</p> <ul style="list-style-type: none"> <li>• Policy 5-2 Strategy 7</li> <li>• Policy 5-3 Strategy 6</li> <li>• Policy 5-30</li> <li>• Policy 5-41</li> <li>• Policy 5-41 Strategy</li> </ul> <p>Strategy ES-7.10.1 merges the following policy and strategy from the 2005 GP:</p> <ul style="list-style-type: none"> <li>• Policy 5-30</li> <li>• Policy 5-30 Strategy</li> </ul>
<p><b>Policy 5-31: <u>Water Use Efficiency</u>.</b> Promote efficient use of water throughout the City.</p>	<p><b>Policy ES-7.11: <u>Water Conservation and Demand Reduction Measures</u>.</b> Promote efficient use of water throughout the City in order to meet State and regional water use reduction targets.</p>	<p>Edited to conform with State law targets</p>
<p><b>Strategy 1: <u>Landscaping Plans</u>.</b> Require water-efficient landscaping plans that incorporate the usage of recycled water for landscape irrigation as part of the development review process.</p>	<p><b>Strategy ES-7.11.4: <u>Recycled Water in Projects</u>.</b> Encourage and promote the use of recycled water in public and private buildings, open space and streetscape planting.</p> <p><b>Strategy ES-7.11.5: <u>On-site Recycled Water</u>.</b> Encourage on-site water recycling including rainwater harvesting and gray water use.</p>	<p>Edited, split, and partially complete; Water efficiency required by State Law and incorporated into Chapter 14.15 of Municipal Code</p>

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<p><b>Strategy 2: <u>Water Conservation Programs</u>.</b> Work with the Santa Clara Valley Water District to undertake programs that promote water use efficiency for residential and commercial customers. Maintain programs for long-term water conservation at City Buildings, including installation of low flow toilets and showers, installation of automatic shut off valves in lavatories and sinks and water efficient outdoor irrigation.</p>	<p><b>Strategy ES-7.11.2: <u>Water Conservation Standards</u>.</b> Comply with State water conservation standards by either adopting the State standards or alternate standards that are equally efficient.</p> <p><b>Strategy ES-7.11.6: <u>Water Conservation Programs</u>.</b> Benchmark and continue to track the City's public and private municipal water use to ensure ongoing accountability and as a means of informing prioritization of future agency water conservation projects.</p> <p><b>Strategy ES-7.11.7: <u>Green Business Certification and Water Conservation</u>.</b> Continue to support the City's Green Business Certification goals of long-term water conservation within City facilities, vegetated stormwater infiltration systems, parks and medians, including installation of low-flow toilets and showers, parks, installation of automatic shut-off valves in lavatories and sinks and water efficient outdoor irrigation.</p>	<p>Edited and split; Updated for benchmarking and ongoing tracking</p>
<p><b>GOAL H:</b> Improved quality of storm water runoff</p>	<p><b>GOAL ES-7:</b> Ensure protection and efficient use of water resources</p>	<p>Edited and merged into Goal ES-7 as listed below</p> <p>Goal ES-7 merges the following Goals from the 2005 GP:</p> <ul style="list-style-type: none"> <li>• Goal G</li> <li>• Goal H</li> </ul>
<p><b>Policy 5-32: <u>Urban Runoff Pollution Prevention Program</u>.</b> Support and participate in the Santa Clara Valley Urban Runoff Pollution Prevention Program (SCVURPPP) in order to work cooperatively with other cities to improve the quality of storm water runoff discharge into San Francisco Bay.</p>		<p>Complete</p>

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<p><b>Policy 5-33:</b> <u>Illicit Discharge into Storm Drains and Waterways</u>. Prohibit the discharge of pollutants and the illicit dumping of wastes into the storm drains, creeks and waterways.</p>		<p>Moved to Health and Safety Element and merged into Policy HS-6.1: Hazardous Materials Storage and Disposal</p> <p>Illicit discharge prohibited by the City's Municipal Regional Permit with the Regional Water Control Quality Board</p>
<p><b>Policy 5-34:</b> <u>Storm Water Runoff</u>. Encourage the reduction of impervious surface areas and investigate opportunities to retain or detain storm runoff on new development.</p>	<p><b>Strategy ES-7.2.3:</b> <u>Maximize Infiltration</u>. Minimize impervious surface areas, and maximize on-site filtration and the use of on-site retention facilities.</p>	<p>Edited and merged into Strategy ES-7.2.3 as listed below</p> <p>Strategy ES-7.2.3 merges the following strategies from the 2005 GP:</p> <ul style="list-style-type: none"> <li>• Policy 5-20 Strategy 3</li> <li>• Policy 5-34</li> </ul>
<p><b>Policy 5-35:</b> <u>Development on Septic Systems</u>. Do not permit urban development to occur in areas not served by a sanitary sewer system, except in the previously approved Regnart Canyon development.</p>		<p>Partially implemented in the Municipal Code; 2005 GP did not indicate extent of "previously approved Regnart Canyon development." Figure INF-1 being updated to identify limits of area allowed to develop on septic systems</p>
<p><b>Policy 5-36:</b> <u>Mitigation for Potential Storm Water Impacts</u>. Require mitigation measures for potential storm water pollutant impacts for projects subject to environmental review.</p>	<p><b>Policy ES-7.3:</b> <u>Pollution and Flow Impacts</u>. Ensure that surface and groundwater quality impacts are reduced through development review and volunteer efforts.</p>	<p>Edited and merged into Policy ES-7.3 as listed below</p> <p>Policy ES-7.3 merges the following policies from the 2005 GP:</p> <ul style="list-style-type: none"> <li>• Policy 5-21</li> <li>• Policy 5-36</li> </ul> <p>Development review includes environmental review</p>

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<p><b>Policy 5-37: <u>Pest-Resistant Landscaping and Design Features.</u></b> The City will encourage the consideration of pest-resistant landscaping and design features, and the incorporation of storm water detention and retention techniques in the design and landscaping of proposed development projects</p> <p>The City will reduce runoff from the use of pesticides and chemical fertilizers from public and quasi-public land by employing companion planting techniques, using pesticides such as insecticidal soaps and oils, mulching and release of beneficial insects as appropriate.</p>	<p><b>Strategy ES-5.3.1: <u>Native Plants.</u></b> Continue to emphasize the planting of native, drought tolerant, pest resistant, non-invasive, climate appropriate plants and ground covers, particularly for erosion control and to prevent disturbance of the natural terrain</p>	<p>Edited</p> <p>Use of pesticides and chemical fertilizers by the City is governed by sustainability practices incorporated into the Water Efficient Landscape Ordinance, Parks and Recreation Green Policies, Public Works Internal Water Conservation Policy, and Environmentally Preferable Procurement Policy</p>
<p><b>GOAL I:</b> A solid waste stream reduction program that meets or exceeds state requirements</p>	<p><b>GOAL INF-7:</b> Ensure that the city meets and exceeds regulatory waste diversion goals by working with providers, businesses and residents</p> <p><b>GOAL INF-8:</b> Develop and enhance programs that reduce, reuse and recycle waste</p>	<p>Split and moved to Infrastructure Element</p>
<p><b>Policy 5-38: <u>Commercial/Industrial Recycling.</u></b> Expand existing commercial and industrial recycling programs to meet and surpass AB939 waste stream reduction goals.</p> <p><b>Strategy: <u>Increase Recycling.</u></b> Request that all commercial and industrial uses increase their recycling efforts to help the city achieve its recycling goals.</p>	<p><b>Policy INF-7.1: <u>Providers.</u></b> Coordinate with solid waste system providers to utilize the latest technology and best practices to encourage waste reduction and meet, and even, exceed State targets.</p>	<p>Edited, merged into Policy INF-7.1 as listed below, and moved to Infrastructure Element; Updated</p> <p>Policy INF-7.1 merges the following policy and strategy from the 2005 GP:</p> <ul style="list-style-type: none"> <li>• Policy 5-38</li> <li>• Policy 5-38 Strategy</li> </ul>
<p><b>Policy 5-39: <u>Residential Recycling.</u></b> Streamline the residential curbside recycling program in the next decade. Include all city-wide residential zoning districts in the curbside recycling program.</p>		<p>Complete</p>

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<b>Strategy 1:</b> <u>Coordination with Los Altos Garbage Company.</u> Work closely with the Los Altos Garbage Company to develop and implement efficient and effective recycling methods.	<b>Strategy INF-8.1.5:</b> <u>Collaboration.</u> Collaborate with agencies and large businesses or projects to enhance opportunities for community-wide recycling, reuse and reduction programs.	Edited and moved to Infrastructure Element; Updated to be applicable to all users
<b>Strategy 2:</b> <u>E-Waste Recycling Program.</u> Continue /make permanent the e-waste recycling program.	<b>Strategy INF-8.1.2:</b> <u>Hazardous Waste.</u> Work with providers and businesses to provide convenient hazardous and e-waste facilities for the community.	Edited and moved to Infrastructure Element
<b>Strategy 3:</b> <u>Curbside Recycling of yard waste.</u> Include vegetable; fruit and other appropriate food items, as well as, recycling of non-reusable batteries as the City of Palo Alto does.		Complete
<b>Policy 5-40:</b> <u>On-site Garbage Area Dedication.</u> Modify existing, and require for new developments, on-site waste facility requirements for all multi-family residential, commercial and industrial land uses to have 50% of their garbage area dedicated to recycling and no more than 50% garbage.		Complete
<b>Strategy:</b> <u>Ordinance Revisions.</u> Revise existing ordinances relative to on-site waste facility requirements for all multi-family residential, commercial and industrial zoning districts to require that a minimum of 50% of garbage area be dedicated to recycling.		Complete
<p><b>Policy 5-41:</b> <u>Public Education.</u> Promote the existing public education program regarding the reduction of solid waste disposal and recycling.</p> <p><b>Strategy:</b> <u>Recycling Program Information.</u> Use the local television channel, the Cupertino Scene, the Internet and other available media to provide information to the residents about the objectives of the City's recycling program.</p>	<p><b>Policy ES-7.10:</b> <u>Public Education Regarding Resource Conservation.</u> Provide public information regarding resource conservation.</p> <p><b>Strategy INF-8.1.1:</b> <u>Outreach.</u> Conduct and enhance programs that promote waste reduction in schools, businesses and homes through partnerships with schools, the Chamber of Commerce and the City's neighborhood programs.</p>	<p>Edited, merged into Policy ES-7.10 and Strategy INF-8.1.1 as listed below, and moved to Infrastructure Element</p> <p>Policy ES-7.10 merges the following policies and strategies from the 2005 GP:</p> <ul style="list-style-type: none"> <li>• Policy 5-2 Strategy 7</li> <li>• Policy 5-3 Strategy 6</li> <li>• Policy 5-30</li> <li>• Policy 5-41</li> <li>• Policy 5-41 Strategy</li> </ul>

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<b>Policy 5-41 and Strategy (cont'd)</b>		Strategy INF-8.1.1 merges the following policies and strategies from the 2005 GP: <ul style="list-style-type: none"> <li>• Policy 5-41</li> <li>• Policy 5-42 Strategy 2</li> <li>• Policy 5-43 Strategy 1</li> </ul>
<b>Policy 5-42: <u>City Recycling</u>.</b> Encourage City staff to recycle at all City facilities.	<b>Policy INF-7.3: <u>Operations</u>.</b> Encourage public agencies and private property owners to design their operations to meet, and even, exceed regulatory waste diversion requirements.	Edited, merged into Policy INF-7.3 as listed below, and moved to Infrastructure Element  Policy INF-7.3 merges the following policies from the 2005 GP: <ul style="list-style-type: none"> <li>• Policy 5-42</li> <li>• Policy 5-43 Strategy 2</li> </ul>
<b>Strategy 1: <u>Recycling Opportunities</u>.</b> Provide collection bins and increase the number of existing recycling bins at strategically located areas to facilitate disposal of recyclable materials, including all City parks.	<b>Strategy INF-7.3.1: <u>City Facilities and Events</u>.</b> Design new City facilities and retrofit existing facilities and event venues with recycling and trash collection bins to facilitate easy disposal of recyclable and compostable waste by staff and the public.	Edited and moved to Infrastructure Element
<b>Strategy 2: <u>Schools and Institutions</u>.</b> Partner with schools/institutions in Cupertino to ensure that they understand and are adhering to the City's recycling goals and providing adequate recycling opportunities to staff and students.	<b>Strategy INF-8.1.1: <u>Outreach</u>.</b> Conduct and enhance programs that promote waste reduction in schools, businesses and homes through partnerships with schools, the Chamber of Commerce and the City's neighborhood programs.	Edited, merged into Strategy INF-8.1.1 as listed below, and moved to Infrastructure Element; Portions of the existing cannot be mandated due to the lack of jurisdictional authority  Strategy INF-8.1.1 merges the following policies and strategies from the 2005 GP: <ul style="list-style-type: none"> <li>• Policy 5-41</li> <li>• Policy 5-42 Strategy 2</li> <li>• Policy 5-43 Strategy 1</li> </ul>

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<p><b>Policy 5-43: <u>Re-distribution of Reusable Materials.</u></b> Through public education, encourage residents and businesses to re-distribute reusable materials, e.g., garage sales, materials exchange.</p>	<p><b>Strategy INF-8.1.4: <u>Reuse.</u></b> Encourage reuse of materials and reusable products. Develop a program for reuse of materials and reusable products in City facilities and outreach programs for community-wide participation by promoting community-wide garage sales and online venues.</p>	<p>Edited, merged into Strategy INF-8.1.4 as listed below, and moved to Infrastructure Element</p> <p>Strategy INF-8.1.4 merges the following policies and strategies from the 2005 GP:</p> <ul style="list-style-type: none"> <li>• Policy 5-43</li> <li>• Policy 5-43 Strategy 2</li> <li>• Policy 5-44</li> <li>• Policy 5-44 Strategy 1</li> </ul>
<p><b>Strategy 1: <u>Dissemination of Recycling Information.</u></b> Disseminate information to both businesses and residents regarding the benefits of recycling and further reducing the solid waste stream.</p>	<p><b>Strategy INF-8.1.1: <u>Outreach.</u></b> Conduct and enhance programs that promote waste reduction in schools, businesses and homes through partnerships with schools, the Chamber of Commerce and the City's neighborhood programs.</p>	<p>Edited, merged into Strategy INF-8.1.1 as listed below, and moved to Infrastructure Element</p> <p>Strategy INF-8.1.1 merges the following policies and strategies from the 2005 GP:</p> <ul style="list-style-type: none"> <li>• Policy 5-41</li> <li>• Policy 5-42 Strategy 2</li> <li>• Policy 5-43 Strategy 1</li> </ul>
<p><b>Strategy 2: <u>Use of the Internet.</u></b> Set up a web site for the benefit of the public where the availability of recyclable materials can be posted and exchanges can be conducted.</p> <p><b>Policy 5-44: <u>Reuse of Building Materials.</u></b> Encourage the recycling and reuse of building materials, including recycling materials generated by the demolition and remodeling of buildings.</p> <p><b>Strategy 1: <u>Post Demolition and Remodeling Projects.</u></b> Encourage contractors to post demolition and remodeling projects on the Internet announcing the availability of potential reusable materials.</p>	<p><b>Policy INF-7.3: <u>Operations.</u></b> Encourage public agencies and private property owners to design their operations to meet, and even, exceed regulatory waste diversion requirements.</p> <p><b>Strategy INF-8.1.4: <u>Reuse.</u></b> Encourage reuse of materials and reusable products. Develop a program for reuse of materials and reusable products in City facilities and outreach programs for community-wide participation by promoting community-wide garage sales and online venues.</p>	<p>Strategy 2 Complete</p> <p>Edited, merged into Strategies INF-7.3 and INF-8.1.4 as listed below, and moved to Infrastructure Element</p> <p>Policy INF-7.3 merges the following policies from the 2005 GP:</p> <ul style="list-style-type: none"> <li>• Policy 5-42</li> <li>• Policy 5-43 Strategy 2</li> </ul> <p>Strategy INF-8.1.4 merges the following policies and strategies from the 2005 GP:</p> <ul style="list-style-type: none"> <li>• Policy 5-43</li> <li>• Policy 5-43 Strategy 2</li> <li>• Policy 5-44</li> <li>• Policy 5-44 Strategy 1</li> </ul>



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<b>Strategy 2: <u>Public and Private Projects</u>.</b> Require contractors working on City projects to use recycled building materials and sustainably harvested wood products to the maximum extent possible and encourage them to do the same on private projects.	<b>Strategy INF-7.3.3: <u>Recycled Materials</u>.</b> Encourage the use of recycled materials and sustainably harvested materials in City, agency and private projects.	Edited and moved to Infrastructure Element
<b>GOAL J:</b> Adequate sewer capacity	<b>GOAL INF-5:</b> Ensure that the city’s wastewater system continues to meet current and future needs	Edited and moved to Infrastructure Element
<b>Policy 5-45: <u>Coordination with the Cupertino Sanitary District</u>.</b> Provide input into District’s Master Plan preparation process to ensure that issues relevant to Cupertino’s land use policies are addressed, and work closely with the District on the implementation of the General Plan.	<b>Strategy INF-5.1.1: <u>Coordination</u>.</b> Coordinate with the Cupertino Sanitary District on their Master Plan and the Sunnyvale Treatment Plant to develop a comprehensive capital improvement program to ensure adequate capacity for future development anticipated with General Plan buildout.	Edited and moved to Infrastructure Element
<b>Policy 5-46: <u>Sunnyvale Treatment Plant</u>.</b> Consider the impacts on the Sunnyvale sanitary sewer system if significant office uses are proposed in the east Stevens Creek Boulevard area.	<b>Policy INF-5.1: <u>Infrastructure</u>.</b> Ensure that the infrastructure plans for Cupertino’s waste water system providers continue to meet the City’s current and future needs.	Edited and moved to Infrastructure Element; Impacts need to be analyzed as part of California Environmental Quality Act
<p><b>Policy 5-47: <u>Vallco Parkway</u>.</b> Recognize that new high discharge users in the Vallco area and the Stevens Creek Boulevard and Blaney Avenue area will require private developers to pay for the upgrading of tributary lines.</p> <p><b>Strategy: <u>Cost Estimates</u>.</b> Develop preliminary cost estimates for the upgrading of the sewer tributary lines to discuss with prospective developers.</p>	<b>Strategy INF-5.1.2: <u>Development</u>.</b> Require developers to pay their fair share of costs for, or in some cases construct, infrastructure upgrades to ensure that service levels are met.	<p>Edited, merged into Strategy INF-5.1.2 as listed below, and moved to Infrastructure Element</p> <p>Strategy INF-5.1.2 merges the following policy and strategy from the 2005 GP:</p> <ul style="list-style-type: none"> <li>• Policy 5-47</li> <li>• Policy 5-47 Strategy</li> </ul>

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<b>NEW GOALS, POLICIES AND STRATEGIES</b>		
	<p><b>Strategy ES-1.1.2: <u>CAP and Sustainability Strategies Implementation</u>.</b> Periodically review and report on the effectiveness of the measures outlined in the CAP and the strategies in this Element. Institutionalize sustainability by developing a methodology to ensure all environmental, social and lifecycle costs are considered in project, program, policy and budget decisions.</p>	<p>Reviewing and reporting on effectiveness of CAP policies</p>
	<p><b>Strategy ES-1.1.3: <u>Climate Adaptation and Resiliency</u>.</b> Conduct a climate vulnerability assessment and set preparedness goals and strategies to safeguard human health and community assets susceptible to the impacts of a changing climate (i.e. increased drought, wildfires, flooding). Incorporate these critical forecasting tools and directives into all relevant plans, including the Emergency Preparedness Plan, Local Hazard Mitigation Plan, Dam Failure Plan, Climate Action Plan, Watershed Protection Plan, and Energy Assuredness Plan.</p>	<p>Climate change policies</p>
	<p><b>Policy ES-1.2: <u>Regional Growth and Transportation Coordination</u>.</b> Coordinate with local and regional agencies to prepare updates to regional growth plans and strategies, including the Regional Housing Allocation Needs Allocation (RHNA), One Bay Area Plan, Regional Transportation Plan (RTP) and Sustainable Communities Strategy (SCS).</p>	<p>To be compliant with AB32</p>
	<p><b>Strategy ES-1.2.1: <u>Local Plan Consistency with Regional Plans</u>.</b> Update and maintain local plans and strategies so they are consistent with One Bay Area Plan to qualify for State transportation and project CEQA streamlining.</p>	

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	<b>Strategy ES-2.1.10: <u>Community Choice Energy</u>.</b> Collaborate with regional partners to evaluate feasibility for development of a Community Choice Energy.	Climate Action Plan policies
	<b>Strategy ES-7.4.1: <u>Storm Drainage Master Plan</u>.</b> Develop and maintain a Storm Drainage Master Plan which identifies facilities needed to prevent “10-year” event street flooding and “100-year” event structure flooding and integrate green infrastructure to meet water quality protection needs in a cost effective manner.	To ensure long term maintenance of the City’s storm drain infrastructure
	<b>Strategy ES-7.4.2: <u>Watershed Management Plans</u>.</b> Work with other agencies to develop broader Watershed Management Plans to model the City’s hydrology.	Interagency cooperation
	<b>Strategy ES-7.11.1: <u>Urban Water Management Plan</u>.</b> Collaborate with water retailers serving the City in the preparation of their Urban Water Management Plan, including water conservation strategies and programs.	Interagency cooperation
	<b>Strategy ES-7.11.3: <u>Recycled Water System</u>.</b> Continue to work with water retailers to promote and expand the availability of recycled water in the City for public and private use.	Capitalize on Apple’s extension of the recycled water line to Cupertino