

Appendix 30C
Summary of Significant Impacts

Summary of Secondary Effects of Growth

Table 30C-1 summarizes the secondary effects of growth in the South Coast, South Lahontan and Colorado River Hydrologic Regions. The information presented in Table 30C-1 is derived from the following environmental impact reports (EIRs) and city council resolutions.

- City of Lancaster General Plan 2030 Draft (December 2008) and Final Program EIR, SCH No. 2007111003, April 2009.
- City of Lancaster Planning Department General Plan Update Staff Report, May 11, 2009.
- City of Los Angeles Citywide General Plan Framework Draft (January 1995) and Final EIR, SCH No. 94071030, June 8, 1996.
- City of Palmdale Program EIR for the Draft General Plan, August 1992.
- The City of Ontario Plan Final EIR, SCH No. 2008101140, April 8, 2009.
- City of San Diego Final Program EIR for the Draft General Plan, SCH No. 2006091032, certified March 10, 2008.
- City of Victorville General Plan 2030 Draft EIR, SCH No. 2008021086, August 14, 2008a, and Findings of Fact and Statement of Overriding Considerations - Program EIR General Plan 2030 (SCH No. 2008021086), October 21, 2008b.
- Los Angeles County General Plan EIR, certified November 25, 1980.
- Riverside County General Plan Integrated Project Final Program EIR, SCH No. 2002051143, 2003.
- San Bernardino County 2007 General Plan Final Program EIR, SCH No. 2005101038, February 2007.
- San Diego County General Plan Update Final Program EIR, SCH No. 2002111067, August 2011.

Table 30C-2 summarizes the secondary effects of growth in the San Francisco Bay Hydrologic Region. The information presented in Table 30C-2 is derived from the following EIRs and city council and board of supervisor resolutions.

- City of Campbell Draft General Plan Final EIR, SCH No. 2001042063, September 2001.
- City of Cupertino General Plan Task Force General Plan Draft EIR (January 2005), Supplemental Environmental Analysis for the Final EIR, SCH No. 2002122 (November 15, 2005), and General Plan 2005 Mitigation Monitoring and Reporting Program, November 15, 2005.
- Town of Los Gatos 2020 General Plan Final EIR, SCH No. 2009032078, June 16, 2010.
- City of Milpitas Midtown Milpitas Specific Plan EIR, SCH No. 2000092027, January 2002a.
- City of Milpitas Resolution No. 7150 certifying Milpitas Midtown General Plan Amendment and Specific Plan Project the EIR and adopting Findings, Statement of Overriding Considerations, and Mitigation Monitoring and Reporting Plan, March 19, 2002b.

- 1 • City of San Jose Envision San Jose 2040 General Plan Draft Program EIR (June 2011) and First
2 Amendment to the Program EIR, SCH No. 2009072096, September 2011.
- 3 • City of Santa Clara Draft 2010-2035 General Plan Integrated Final EIR, Volume I, January 2011
4 and Resolution No. 10-7797 Certifying the Final EIR for the 2010-2035 General Plan, including
5 adoption of a Statement of Overriding Considerations, November 16, 2010.
- 6 • County of Santa Clara General Plan EIR, SCH No. 94023004 (November 1994a) and Santa Clara
7 County Board of Supervisors Resolution recommending certification of the Final EIR, adopting
8 related Overriding Considerations and Monitoring Program, and adopting the General Plan,
9 December 20, 1994b.
- 10 Table 30C-3 summarizes the secondary effects of growth in the Central Coast and Tulare Lake
11 Hydrologic Regions. The information presented in Table 30C-3 is derived from the following EIRs
12 and city council and board of supervisor resolutions.
- 13 • City of Bakersfield Metropolitan Bakersfield General Plan Update Draft EIR, SCH No.
14 1989070302 (June 2002a) and Bakersfield City Council Resolution No. 222-02 making Findings
15 and adopting the General Plan Update, December 11, 2002b.
- 16 • County of Santa Barbara, Santa Ynez Valley Community Plan EIR, SCH 2007071093 (September
17 2009a) and associated Findings and Statement of Overriding Considerations, September 22,
18 2009b.
- 19 • County of Santa Barbara, Los Alamos Community Plan Update Final EIR, SCH 2008101147 (July
20 2010) and associated Findings, Statement of Overriding Considerations and Mitigation
21 Monitoring and Reporting Program, February 15, 2011.
- 22 • County of Santa Barbara, Orcutt Community Plan EIR, SCH No. 95031055 (1995) and associated
23 Findings and Statement of Overriding Considerations, July 22, 1997.

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Table 30C-1. Significant Mitigable (S) and Significant Unavoidable (U) Impacts Identified by General Plan Environmental Impact Reports in the Study Area – South Coast, South Lahontan and Colorado River Hydrologic Regions

Resource Area/Impact	Counties				Cities					
	Los Angeles County ^a	San Bernardino County ^b	Riverside County ^c	San Diego County ^d	City of Los Angeles ^e	City of Ontario ^f	City of Palmdale ^g	City of Lancaster ^h	City of Victorville ⁱ	City of San Diego ^j
AESTHETICS										
Impacts										
Degradation of visual character.	S	S		U	S		S		S	U
Impacts to scenic vistas	S	U	S	S			S			
Substantial adverse effect on a scenic resource									S	
Introduction of new sources of light or glare.		U	S	U			S		S	
Impacts to scenic highways.		U								
Impacts to designated scenic resources in open space areas.		U	S	S			S			
Mitigation Measures										
Develop a Scenic Resources Overlay District.		•								
Direct urban development and revitalization efforts to protect natural areas and areas with significant natural resource values (significant ecological areas, prime agricultural areas, scenic vistas).				•					•	
Promote park development; develop and conserve open space easement, natural features, and watershed areas. Concentrate growth in urban centers to limit urban expansion into scenic open spaces.		•		•						
Implement hillslope and ridgelines development guidelines and grading restrictions.		•		•						
Require compliance with lighting standards to preserve dark sky conditions.		•		•						
Require compliance with community design standards, which may include landscaping guidelines, building height restrictions, etc.				•					•	
Provide road and right-of-way development standards.				•						
Require shielding to reduce glare from applicable projects									•	
Require project level review and incorporation of mitigation as a condition of approval.										•
Require undergrounding of utilities.										

Resource Area/Impact	Counties				Cities					
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Locate trail routes to highlight the City's scenic resources									•	
AGRICULTURAL RESOURCES										
Impacts										
Conversion of Important Farmland/agricultural resources.	U	U	U	U		U				U
Conflict with agricultural zoning or Williamson Act contract.		S	U	S		U				U
Mitigation Measures										
Require project level review and appropriate mitigation; revise plans used for review to identify important agricultural areas.				•						•
Create buffers between new uses and existing adjacent agricultural uses			•	•		•				•
Consider acquisition of replacement acreage.						•				
Consider relocation of prime topsoils.						•				
Preserve, conserve, or create easements for important agricultural land.	•	•	•	•		•				
Avoid development on prime soils and avoid agricultural development on unsuitable soils.	•	•								
Allow development of prime agricultural land only after supplies of non-productive areas have been exhausted.		•								
Enter into Williamson Act contracts or develop zoning designations to protect agricultural land.	•	•	•	•						
Provide incentives, such as property tax relief for long-term farming operations or compensation for voluntarily limiting future development on agricultural land.		•	•							
Implement policies in the Conservation Element			•							
AIR QUALITY										
Impacts										
Conflict with air quality management plan.					S	U	S		U	U
Violation of air quality standards.		U		U	U	U	S		U	U
Cumulatively considerable net increase of criteria pollutants in non-attainment areas.		S		U	U	U			U	U
Increased exposure of sensitive receptors to pollutants.		U	S	U	U		S			

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Increased objectionable odors, including diesel fumes.		U				U				
Long-term increase in air emissions from stationary sources.		U	U			U	S	U		
Increased emissions from operations and vehicle miles traveled.			U				U	U		U
Short-term construction-related impacts, including fugitive dust and PM10.		U	U			U	S	U		
Cumulative impacts to regional air quality levels								U	U	
Impacts associated with airport and railroad operations, utility use, and service facilities							S			
Mitigation Measures										
Conform to the Transportation Improvement and Mitigation Plan.					•					
Conform to the applicable local Air Quality Management Plan.		•			•					
Develop alternative transportation options.			•						•	
Coordination with local Air Quality Management Plan and councils of government to develop and achieve air quality improvement goals.				•		•				
Promote energy conservation and design to reduce transportation demand.						•			•	
Require new development to implement dust control measures (i.e., watering active sites, covering hauling trucks) during construction, including grading restrictions.		•	•	•		•			•	
Evaluate projects based on proximity to public transit.		•		•		•				
Implement measures to reduce exhaust emissions from construction equipment									•	
Require use of high-volume, low-pressure paint sprayers and use of water based and low-volatile organic compound coatings to decrease emissions of reactive organic gases									•	
Evaluate project compatibility with California Air Resources Board Air Quality and Land Use Handbook.			•			•				
Implement policies established in the Environmental Resources Element and Circulation Element.							•			
Develop and improve transit systems and vehicle trip reduction methods.		•	•			•	•	•		

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Implement transportation management programs.							•			
Require implementation of Best Available Control Measures for construction projects that may exceed daily construction emission standards established by the local Air Quality Management District.				•				•		•
Condition project approval on mitigation plans.										•
Require buffers (i.e., trees, open space, sound walls) between sources and sensitive receptors.										•
Provide preferential parking for alternative fuel vehicles.		•		•						
Implement fueling standards to improve number of alternative fuel vehicles.				•						
Provide incentives for siting or use of clean air technologies, such as renewable energy sources.				•						
Prevent permitting for major sources.				•						
Implement regional air quality standards to attain state standards.				•						
Implementation of land use and traffic impact mitigation.									•	
Promote innovative building, site design and orientation techniques to minimize energy use								•		
Require participation in the California Energy Commission's Solar Homes Partnership for developments of six dwelling units or more.								•		
Require all new developments to install Energy Star rated high efficiency appliances								•		
Work with the local air quality management district to implement the federal ozone and PM10 non-attainment plans and meet all federal and state air quality standards for pollutants									•	
Encourage urban forestry									•	
BIOLOGICAL RESOURCES										
Impacts										
Sensitive species impacted via habitat modification, removal or riparian vegetation, or disruption of sensitive natural communities.	S	U	U	U	S		U		S	U

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Impacts to protected wetlands.		U		S	S				S	U
Habitat fragmentation and interference with migratory corridors.		S	U	U	S		U		S	U
Conflict with local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance		S	S		S				S	
Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan or other approved local, regional or state habitat conservation plan		S			S				S	
Mitigation Measures										
Coordinate with local interest groups, and state and federal agencies prior to land use conversion to ensure protection of habitat.		•		•					•	
Develop and update a biological resources inventory.		•								
Improve downstream water quality and habitat		•								
Require site specific, project-level mitigation.		•								
Implement policies that preserve significant ecological areas, upland areas, open space, and natural biological communities.		•		•			•			•
Work with state and federal agencies to create a wildlife corridor map to be used for preparation of biological assessments prior to permitting for land use conversion									•	
Implement mining standards.							•			
Establish conservation plans.		•		•			•			
Develop Significant Ecological Area/ Biological Resources Overlay.		•		•			•			
Protect wetland areas, vernal pools, drainages, and significant vegetation, such as Joshua tree.				•			•			•
Develop and protect wildlife corridors and open space networks.		•	•							•
Provide buffers between sensitive habitats and land use.				•						
Establish native vegetation for landscaping requirements.				•						
Require development to obtain necessary CWA 401/404 permits from RWQCB or USACE.				•						

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Implement watershed protection, stormwater management, and discharge control ordinances to protect wetlands.				•						
Implement policies in the Conservation Element.				•						
Require compliance with the Biological Report Guidelines, which requires field surveys, literature review, anticipated impacts and mitigation, preservation and replacement of disturbed habitat at a minimum of 1:1 ratio, and compliance with applicable HCPs.			•							
Improve trash collection, recycling programs and illegal dumping in open areas									•	
CULTURAL RESOURCES										
Impacts										
Impacts to historical, archaeological, cultural, paleontological resources.	S	S	S	S	S	U	S		S	U
Impacts to unique geologic features.	S	S	S		S					U
Impacts to human remains	S	S	S	S	S		S			
Mitigation Measures										
Conduct field studies prior to development approvals.				•		•				
Require detailed mitigation plans to be incorporated into the project.				•		•				
Require contractors to retain a qualified archaeologist to be present onsite during ground disturbing activities and cease operations if a resource is discovered.				•		•			•	
Contact and coordinate with the Morongo Band of Mission Indians if significant Native American cultural resources are discovered during project development									•	
Communicate with local tribes.				•		•				
Require site specific mitigation at a project-level as part of the discretionary review process						•				•
Provide incentives through the Mill Act to encourage restoration, renovation, or adaptive use of historic resources.				•						
Require inventory, monitoring, recovery and curation of found resources.				•		•				•
Ensure landmarking and historical listing of sites.				•						

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Develop management and restoration plans for identified and acquired properties with cultural resources.				•						
Coordinate with Native American Heritage Commission, local tribal governments, and conduct SB 18 review.				•						
GEOLOGY										
Impacts										
Increased risk from strong seismic ground shaking and other geologic and soil hazards including poor or erosion susceptible soil conditions, landslides, soil liquefaction, unconsolidated granular soils, and soil erosion when grading occurs on slopes and ridgelines.	U	S	S		U		S			
Alteration of existing topography		S								
Increased risk from earthquake fault rupture.	U	S	S		U		U			U
Increased risk from seismic groundshaking.	U	S	S		U		S			U
Increased risk from liquefaction.	S	S	S		U		S			U
Increased exposure of people and structures to landslides.	S	S	S		U		S			U
Soil erosion and loss of topsoil.		S	S				S			U
Risk from unstable soils.	S	S			U		S			U
Risk from expansive soils		S	S				S			
Inadequate capacity of soil to support septic tanks			S							
Construction impacts associated with shallow groundwater.					U					
Risk to structures from subsidence and settlement of soils.					U		S			
Mitigation Measures										
Require soils engineering and soils performance review related to excavation activities.	•				•					•
Implement hillside management guidelines which may include grading restrictions.	•									•
Use of appropriate building materials.	•									
Implement guidelines and programs defined in the Safety Element.					•		•			
Conduct a hazardous building inventory.							•			

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Require geologic investigation for new development.					•		•			•
Develop and/or comply with an emergency preparedness plan.					•		•			
Require compliance with state and local building, structural, and seismic codes.	•				•		•			•
HAZARDS AND HAZARDOUS MATERIALS										
Impacts										
Exposure of people and structures to wildland fire hazards.	S	U		U	S		S		S	U
Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials		S					S		S	
Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?		S							S	
Emission of hazardous materials within one-quarter miles of an existing or proposed school		S							S	
Create a hazard to the public or environment through exposure to a site which is included on a list of hazardous materials sites		S							S	
Exposure to airport safety hazards		S	S	S			S		S	S
Interference with an adopted emergency response plan or emergency evacuation plan		S		S					S	
Mitigation Measures										
Require proper siting of projects in high fire hazard areas to minimize fire vulnerability.		•		•						•
Require pre-approval analysis of land use compatibility to ensure that incompatible uses are not located adjacent to or proximate to sensitive receptors.		•								•
Require submittal of a Phase I environmental site assessment prior to the issuance of any grading permits									•	
Encourage practices that will reduce the use of hazardous materials and generation of hazardous waste, recycle waste where possible, treat waste that cannot be recycled.									•	

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Development in fire hazard areas must have most current and fire-safe building techniques and comply with building codes.		•		•						
Ensure closure and/or removal of the non-regulated private airstrip prior to issuance of any grading or building permits in areas adjacent to the general flight path of the private airstrip.									•	
Monitor post-fire debris flow hazard evaluation and prediction methods.		•								
Monitor population growth and evaluate road capacities and hazard conditions along evacuation corridors to prepare contingency plans to correspond to the location, direction, and spread rate of wildfires.		•								
Implement policies in the Safety Element.				•						
Require brush removal and defensible space techniques.				•						
HYDROLOGY AND WATER QUALITY										
Impacts										
Violation of water quality standards or impacts to surface or groundwater quality.	S		S	U			S		S	U
Groundwater depletion.	S	S	S	U			U	U	S	
Alteration of drainage patterns or increased impervious surfaces resulting in erosion, siltation, flooding, and overland runoff.	S	S	S	S	S		S		S	U
Impacts to stormwater drainage.			S	S			S		S	U
Increased reliance on lower quality water sources and decreased surface and groundwater quality			S							
Placement of housing within a 100-year flood hazard area and/or exposure to damage from a 100-year flood				S	S		S		S	
Increased potential for flooding; impeding or redirecting flood flows				S						
Exposure to hazards from inundation by seiche or mudflow									S	
Risk to habitable structures and people located in dam inundation areas or due to dam/levee failure.	S		S	S	U					
Inundation by seiche, tsunami, or mudflow.	U	S			U					

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Cumulative impacts associated with depletion of groundwater supplies and interference with groundwater recharge.								U		
Mitigation Measures										
Provide incentives to maintain ground permeability, create flood control, preserve floodplains and open space, develop stormwater facilities, and comply with NPDES permits.				•	•					
Implement policies in the Conservation and Safety Elements.				•	•					
Require all proposed regional or public drainage facilities to be evaluated by the City Engineering Department									•	
Update the 1992 Master Plan of Drainage to incorporate current growth projections and land use patterns									•	
Implement groundwater monitoring, recharge, and recycling programs.			•	•			•			
Develop landscaping guidelines and require water conservation techniques into project design.							•	•		
Conduct water quality monitoring.							•			
Require compliance with Regional Water Quality Control Board standards.				•						•
Require site specific mitigation at the project level.										•
Require future projects to be sited and designed to minimize impacts to absorption rates, drainage patterns, or rates of runoff.				•						•
Require onsite infiltration, preserve natural drainage systems, direct concentrate flows into sedimentation basins, grassy swales, reduce impervious surfaces, and increase vegetation coverage.				•						•
Implement a jurisdiction-wide urban runoff management plan.				•						
Implement a watershed protection ordinance.				•						
Encourage development that allows for maximum groundwater infiltration.				•						
Restrict development in flood plains.	•									

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Require all new developments to obtain verification from the local water supplier that adequate water supply and systems would be available								•		
LAND USE										
Impacts										
Conflict with plans and policies.							S		S	U
Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan or other approved local, regional or state habitat conservation plan									S	
Disruption or division of community.	S			S					S	U
Conversion of open space and rural land.	S		U		U		U			
Net loss of older suburbs	S									
Overcrowding	S									
Conflict with existing land uses, land use patterns, and intensification of development in undeveloped areas.	S		S		U		U			S
Mitigation Measures										
Develop open space and parkland preservation programs and consider open space and parkland dedication							•			
Encourage cluster development to reduce encroachment into open space.							•			
Use policies in the Land Use Element to address compatibility issues and ensure zoning consistency					•		•			•
Update Community Plans to ensure consistency with the General Plan, environmental policies, and the Airport Land Use Plan.										•
Develop and adopt standards to reduce land use incompatibilities.										•
Implement mitigation measures described under Biological Resources								•		

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Consider land use compatibility, parking availability, truck delivery routes, noise limitations, open space, fire protection, and visual privacy for residential units in consideration of approval of mixed uses, land use conversion, and intensification of densities.					•					
MINERAL RESOURCES										
Impacts										
Loss of regionally, locally, and statewide important mineral resource availability.	S	S		U			S		S	U
Conflict with adjacent land uses could preclude future mineral extraction		S								
Contribution to surface and groundwater issues, noise, dust and truck traffic in populated areas		S								
Mitigation Measures										
Require site specific mitigation at the project level.				•					•	•
NOISE										
Impacts										
Exposure of sensitive receptors to vehicular traffic noise.	S	S	S	S	S	U	U		U	
Exceedence of noise standards due to increased traffic volume				U				U		
Exposure of sensitive receptors to noise levels in excess of accepted standards.	S		S	S	S	U	S			U
Exposure of sensitive receptors to ground-borne vibration.		S		S		U				
Stationary noise sources.	S	S	S		U		S			U
Periodic temporary or permanent increase in ambient noise levels.	S	S		U		U	S			U
Exceedence of noise standard due to construction activity								U		
Exposure of sensitive receptors to excess noise levels from airports or a private airstrip.	S	S		S		U	U		S	U
Exposure of sensitive receptors to railroad noise.			S				U			
Cumulatively significant noise levels due to short term construction noise associated with development						U		U		

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Cumulatively significant noise levels due to long-term operational noise associated with increased traffic volumes						U		U	U	
Mitigation Measures										
Implement policies in the Noise Element.				•		•	•			
Require acoustical analysis reports to determine land use compatibility.				•		•	•			•
Require review by the Airport Land Use Commission.						•	•			•
Require that the Community Development Director review discretionary development proposals and require mitigation to re										
Require future projects to incorporate architectural features to reduce indoor noise levels.						•				•
Require all non-emergency construction and land uses to comply with state and local limits.				•	•	•				•
Ensure closure and removal of the non-regulated private airstrip prior to issuance of grading permits in areas adjacent to the flight path									•	
Require compliance with state and local building codes					•	•				
Vibration sensitive land uses adjacent to railroads must comply with Federal Transportation Administration standards.						•				
Require development to comply with Caltrans noise abatement policies and construct sound walls in residential areas adjacent to city freeways.				•	•					
Require project design considerations to promote traffic calming, traffic control measures, and measures to minimize vehicular traffic.				•						
Require buffer zones between incompatible land uses.				•						
Direct construction noise away from sensitive receptors								•		
Require that construction equipment use noise suppression devices and be maintained in good mechanical condition and								•		
Employ construction noise reduction methods such as acoustic barriers when feasible								•		

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Include noise reduction and noise attenuation features in all new mixed-use developments and new stationary sources								•		
POPULATION AND HOUSING										
Impacts										
Deficiencies in the jobs/ housing balance.							U			
Displacement of housing and need for replacement housing.	S	S								U
Induce substantial direct or indirect population growth	S	S					S		U	
Increased rate of increase for the number of persons per dwelling, alteration of housing mix, and lack of affordable housing.					U					
Cumulative population and housing impacts									U	
Mitigation Measures										
Develop strategies to address the jobs/ housing balance, such as approving future annexations or encouraging residential and non-residential development to occur at a similar rate.							•			
Develop new housing development ordinance, condominium conversion standards, first time homebuyer incentives, mortgage revenue bonds, mobile home rent control, neighborhood quality improvement programs, senior housing programs, and habitability standards.					•		•			
Require project level review to develop appropriate mitigation.										•
Implement policies to meet existing and future needs and distribute housing according to demand.					•					
Encourage rehabilitation, revitalization, and restoration of deteriorated buildings and neighborhoods.					•		•			
Develop housing types for all levels of income.					•		•			

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PUBLIC SERVICES AND UTILITIES										
Impacts										
Increased physical impacts associated with the provision of new or physically altered governmental facilities or need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for public services, including fire protection, police protection, schools, libraries, and medical facilities.		S	S	U	S		S		S	U
Mitigation Measures										
Determine the need and potential funding sources for additional facilities and services.										•
Mitigate for physical impacts associated with new or expanded facilities, as listed by resource section.										•
Review plans for new or expanded school facilities.				•						
Plan and site schools that are context specific according to the location and need.				•						
Coordinate with school districts to encourage siting new facilities in accordance with General Plan and include feasible mitigation to reduce physical impacts.				•						
Require discretionary project applications to include commitments from available school districts.				•						
RECREATION										
Impacts										
Impacts from expanded or new recreational facilities.			S	S			S		S	U
Deterioration of parks or recreational facilities from increased use		S	S	S	S		S		S	
Mitigation Measures										
Apply mitigation identified for resource specific impacts.										•
Update the parks master plan at least once every 5 years to accommodate growth									•	
TRAFFIC AND TRANSPORTATION										
Impacts										

Resource Area/Impact	Counties				Cities					
	Los Angeles County ^a	San Bernardino County ^b	Riverside County ^c	San Diego County ^d	City of Los Angeles ^e	City of Ontario ^f	City of Palmdale ^g	City of Lancaster ^h	City of Victorville ⁱ	City of San Diego ^j
Increased traffic load, vehicle trips, congestion, and volume to capacity ratio.	S			U	S		U	U	U	U
Exceedance of roadway level of service.	S	S	U	U	S	U	U		U	U
Contribution to traffic congestion in surrounding areas.		U		U						
Altered air traffic patterns.		S					U		S	
Increased hazards from design features or incompatible land use.		S		U						
Inadequate emergency access		S		S			S			
Inadequate parking capacity.		S		S			S			U
Conflict with alternative transportation plans		S		S						
Increased demand and use/ deterioration of public transit, commercial air service, bicycle routes, equestrian trails, and truck routes.							U			
Cumulative transportation/traffic impacts								U	U	
Mitigation Measures										
Strive to achieve LOS D on roadways within the jurisdiction.		•								
Implement policies in the Circulation Elements and implement transportation management programs.		•	•	•		•	•		•	•
Cooperate with local, regional and state agencies to implement transportation improvement projects									•	
Provide alternative transportation.		•	•							
Work with adjacent jurisdictions to maximize roadway capacity across jurisdictional boundaries.		•		•				•		
Require payment of traffic impact fees prior to issuance of development permits									•	
Coordinate with Caltrans, and local councils of government to define fair share mitigation for impacts.		•		•						
Install signalized street lights.							•			
Upgrade arterial streets.							•			
Implement the Walkable Communities Program.										•

Resource Area/Impact	Counties				Cities					
	Los Angeles County ^a	San Bernardino County ^b	Riverside County ^c	San Diego County ^d	City of Los Angeles ^e	City of Ontario ^f	City of Palmdale ^g	City of Lancaster ^h	City of Victorville ⁱ	City of San Diego ^j
Develop programs to address street and freeway systems, bicycling and pedestrian networks, parking, and transportation demand.		•								•
Extend public transportation to major land uses, such as airports.		•								
Promote land use patterns that center around public transit facilities.		•								
Install synchronized signalization.		•								
Limit truck traffic and/or obtain additional right-of-way to accommodate right and left turn lanes at major intersections.		•								
Require large projects to mitigate impacts to traffic networks.			•	•						
Implement the requirements of the Transportation Master Plan to improve and maintain the operation of the roadway network.								•		
Develop a program to designate Deficient Roadway Segments that cannot meet LOS C level of service standard.									•	
Study the circulation system on an ongoing basis to determine what feasible improvements can be made to achieve acceptable level of service for segments and intersections									•	
Update the city's Capital Improvement Program every year to implement required roadway/intersection improvements									•	
PUBLIC SERVICES AND UTILITIES										
Impacts										
Inadequate water supplies.	S	S	U	U	S	S	S	U		S
Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board		S		S	S				S	S
Increased demand for water or wastewater treatment facilities requiring construction/expansion of facilities	S	S		S	S		S		S	S
Impacts to ground and surface water quality associated with improper maintenance of private sewer treatment systems.		S								
Impacts associated with failure of aging water distribution systems					S					

Resource Area/Impact	Counties				Cities					
	Los Angeles County ^a	San Bernardino County ^b	Riverside County ^c	San Diego County ^d	City of Los Angeles ^e	City of Ontario ^f	City of Palmdale ^g	City of Lancaster ^h	City of Victorville ⁱ	City of San Diego ^j
Exceedance of landfill capacity resulting from increased solid waste.	S	S	S	U	S		S		S	S
Conflict with federal, state and local statutes and regulations related to solid waste		S			S		S			S
Violation of AB 32 standards.				S		U				U
Increased demand for natural gas and electricity	S	S	S	S	S		S			S
Exposure of people to electrical magnetic fields					S					
Increased risk from climate change.	U			S		U				
Increased demand for new/extended telecommunication infrastructure		S					S			S
Increased demand for water supplies and infrastructure								U	S	
Cumulative impacts to water supply and infrastructure								U		
Mitigation Measures										
Require discretionary approval applications to include commitments from available water and sanitation districts.				•				•		
Require all proposed drainage facilities to be reviewed by the City Engineering Department									•	
Require new development that meets certain size or occupancy parameters to prepare a water supply assessment that consists of information regarding project water demand, supply alternatives, evaluation of compliance with the UWMP, and conservation techniques.			•							
Require compliance with applicable urban water management plans.			•							
Condition approval on consistency with General Plan policies and approval of land use that is consistent with long-term sustainability of groundwater supplies.				•						
Coordinate land use planning with local water supply agencies.				•						
Require innovative design, construction, and operation to reduce storm water pollution, energy use, and waste generation.						•		•		•
Offer incentives (i.e., expedited permit review) for projects that achieve LEED silver certification.				•						•

Resource Area/Impact	Counties				Cities					
	Los Angeles County ^a	San Bernardino County ^b	Riverside County ^c	San Diego County ^d	City of Los Angeles ^e	City of Ontario ^f	City of Palmdale ^g	City of Lancaster ^h	City of Victorville ⁱ	City of San Diego ^j
Implement water and energy conservation measures beyond those required by the state through review of project siting, land use, and design that could reduce vehicle miles traveled.				•		•				•
Encourage development to use passive cooling techniques (i.e., Tree shading).										•
Prepare a Climate Action Plan which will include a greenhouse gas inventory, quantification of an emission reduction target, and a list of local emission reduction measures (i.e., requiring municipal fleets to be fuel efficient, installing LED traffic lights, conducting energy efficiency audits for municipal buildings).				•		•				
Develop a Sustainable Communities Strategies Plan and participate in the County of San Bernardino Green Valley Initiative.						•				
Update the local Green Building Program to provide incentives and education.				•						
Work with local councils of government to reduce greenhouse gas emissions associated with land use and transportation.				•						
Require commercial and industrial recycling and expand recycling and composting programs for residences.										
Coordinate with energy providers to consider and develop a mitigation credit program.				•						

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1 **Notes for Table 30C-1.**

Source: County of Los Angeles 1980, URS Corporation 2007, County of Riverside 2002, County of San Diego 2009, Envircom 1995, The Planning Center 2009, Michael Brandman Associates 1992, City of Lancaster 2009, City of Lancaster 2008, URS Consultants, Inc. 1991, City of Victorville 2008a; City of Victorville 2008b; City of San Diego 2008

Notes:

S = Significant Mitigable Impacts

U = Significant Unavoidable Impacts

^a County of Los Angeles. 1980. Department of Regional Planning, *County of Los Angeles General Plan Environmental Impact Report*. March 2, 1979, certified November 25.

^b URS Corporation. 2007. *San Bernardino County 2007 General Plan Final Program Environmental Impact Report*. (SCH # 2005101038). February.

^c County of Riverside. 2003. Transportation and Land Management Agency Planning Department. General Plan, *Final Program Environmental Impact Report for Riverside County General Plan - Integrated Project*. State Clearinghouse No. 2002051143.

^d San Diego County prepared a Negative Declaration for the adopted General Plan (1979, certain elements amended as of 2005). The County Planning Department is currently updating the General Plan and has released a Draft General Plan (2009) and Draft Environmental Impact Report (SCH # 2002111067)(2009). Impacts associated with development permitted under the 2009 Draft General Plan identified in the Draft EIR prepared for it are presented in this table for informational purposes; both the 2009 Draft General Plan and its Draft EIR are recognized as draft documents only.

^e Envircom Corporation. 1995. *City of Los Angeles Citywide General Plan Framework Draft Environmental Impact Report*, January 19, 1995 AND *Final Environmental Impact Report*, SCH No. 94071030, June 8, 1996.

^f The Planning Center. 2009. *Final Environmental Impact Report for the Ontario Plan*. SCH No. 2008101140. April 8,.

^g Michael Brandman Associates.1992. *Program Environmental Impact Report for the City of Palmdale*. Draft General Plan, August.

^h City of Lancaster. Planning Department. 2009. *City of Lancaster General Plan 2030 Final Program Environmental Impact Report*. SCH No. 2007111003, April. Lancaster, CA. Prepared by RBF Consulting, Irvine, CA.

———. 2008. *City of Lancaster General Plan 2030 Public Review Draft Program Environmental Impact Report*. SCH No. 2007111003. December. Lancaster, CA. Prepared by RBF Consulting, Irvine, CA;

———. City of Lancaster, Planning Department. 2009. *General Plan Update Staff Report*, May 11.

ⁱ City of Victorville. 2008a. *City of Victorville General Plan 2030 Draft Environmental Impact Report*. (SCH No. 2008021086), August 14.

———. 2008b. *Findings of Fact and Statement of Overriding Considerations - Program EIR General Plan 2030* (SCH No. 2008021086). October 21.

^j City of San Diego. 2008. *Final Program Environmental Impact Report*. SCH No. 2006091032, prepared September 2007, certified March 10.

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1 **Table 30C-2. Potentially Significant (PS), significant Mitigable (S) and Unavoidable (U) Impacts**
 2 **Identified by General Plan Environmental Impact Reports in the Study Area – San Francisco Bay**
 3 **Hydrologic Region**

Resource Area/ Impact	Cities						
	Santa Clara County ^a	City of Campbell ^b	City of Cupertino ^c	City of Los Gatos ^d	City of Milpitas ^e	City of San Jose ^f	City of Santa Clara ^g
AESTHETICS							
Impacts							
Alteration of visual setting or degradation of existing views			PS				
Impacts on scenic resources, including resources within a scenic highway corridor			PS				
Impact on scenic vistas due to conversion of rural land to urban uses			PS			U	
Mitigation Measures							
Develop, strengthen, and/or implement design and landscaping standards and conduct project-specific design review.			X				
Implement general plan programs and policies that address visual quality in the planning area. (Such policies and measures may include site planning/design procedures and standards, architectural review, and standards pertaining to landscaping and natural areas.)			X			X	X
Concentrate urban building in certain planning areas			X				
AGRICULTURAL RESOURCES							
Impacts							
Conversion of agricultural land to nonagricultural uses	S			U			
Cumulative loss of agricultural land	U						
Conflicts between agricultural uses and adjacent land uses	S						
Impacts of continued grazing and farming on soil or other environmental resources	S						
Mitigation Measures							
Prepare a cumulative impact analysis of projected losses due to the permanent conversion of south county agricultural lands	X						
Evaluate and adopt mechanisms (e.g., impact fees, conservation easements, and purchase of development rights) to offset impacts on prime agricultural lands.	X						
Implement recommendations of a study on the development of golf courses in areas zoned for agriculture to reduce impacts.	X						

Resource Area/ Impact	Cities						
	Santa Clara County ^a	City of Campbell ^b	City of Cupertino ^c	City of Los Gatos ^d	City of Milpitas ^e	City of San Jose ^f	City of Santa Clara ^g
Implement general plan programs and policies, and measures identified in the general plan EIR, to protect agricultural and prevent its conversion to non-agricultural uses.	X						
AIR QUALITY							
Impacts							
Conflicts with, or obstruction of, the implementation of an applicable air quality attainment plan or congestion management plan						U	
Increases in air emissions and/or ozone precursors			PS	U	U	U	
Exposure of new sensitive land uses to toxic air contaminant or local odor emission sources							S
Periodic construction-related air quality impacts			PS				
Cumulative impacts on regional air quality in the Bay Area					U		
Mitigation Measures							
Provide site features and implement measures to encourage use of alternative modes of travel (to single-passenger vehicles) and reduce vehicle trips. (Such measures include implementing improvements to bicycle and pedestrian circulation systems and working with local and regional planning and transportation agencies to improve public transit services.)			X		X	X	
Implement general plan measures that reduce dependence on automobile use and improve the efficiency of the existing transportation system.						X	
Require adequate buffers, ventilation systems, and other measures to reduce impacts of odors or toxic emissions.			X				X
Implement general plan natural resource chapter policies regarding air quality impacts.						X	
Facilitate mixed-use development and maintain jobs/housing balance.						X	
Implement general plan transportation control measures to reduce vehicle miles traveled and associated air pollutant emissions				X		X	
Implement a Community Risk Reduction Plan to address Toxic Air Contaminants consistent with the BAAQMD							X
Minimize the air quality impacts of new and existing development			X				

Resource Area/ Impact	Cities						
	Santa Clara County ^a	City of Campbell ^b	City of Cupertino ^c	City of Los Gatos ^d	City of Milpitas ^e	City of San Jose ^f	City of Santa Clara ^g
Screen development to ensure sensitive uses are not located near sources of air pollution			X				
BIOLOGICAL RESOURCES							
Impacts							
Impact(s) on/loss of special-status animal or plant species					S		S
Impacts on biological resources due to individual or cumulative impacts on wetlands, riparian habitat, or other sensitive habitat	U						
Disruption of wildlife migration or travel corridors			PS				
Emission of nitrogen compounds that could affect the species composition and viability of serpentine grasslands						U	
Emission of nitrogen compounds from cumulative development that could affect the species composition and viability of serpentine grasslands						U	
Impacts on wildlife and vegetation due to development of hillside areas			PS				
Mitigation Measures							
Plant native species for revegetation and landscaping purposes.			X				
Implement general plan policies and programs to protect biological resources.						X	
Conduct project-specific environmental review and implement mitigation.							X
Require project-specific surveys conducted by qualified professionals according to established protocols to determine on-site resources and appropriate site-specific mitigation measures.					X		X
Provide open space linkages within and between properties.			X				
Implement general plan transportation control measures to reduce vehicle miles traveled and associated nitrous oxide emissions						X	
Participate in the Santa Clara Valley Habitat Conservation Plan/Natural Community Conservation Plan						X	
Develop and implement a program for the preservation of serpentine grasslands, as City resources allow						X	
Implement policies to protect designated heritage trees and other trees of environmental significance							X

Resource Area/ Impact	Cities						
	Santa Clara County ^a	City of Campbell ^b	City of Cupertino ^c	City of Los Gatos ^d	City of Milpitas ^e	City of San Jose ^f	City of Santa Clara ^g
Encourage clustering of new development away from sensitive areas and preservation of natural vegetation and landscape features.			X				
CULTURAL RESOURCES							
Impacts							
Disturbance of historical resource(s)			PS		S		
Disturbance of archaeological resource(s)			PS				
Disturbance of paleontological resource(s)			PS				
Cumulative impacts on historical resources	U						
Mitigation Measures							
Implement general plan policies and programs and measures identified in the general plan EIR to protect cultural resources.							X
Conduct project-specific review and implement identified mitigation consistent with general plan cultural resource policies.					X		
Conduct the proposed work consistent with the state and federal standards for historic resources.					X		
Implement CEQA Guidelines Section 15064.5 provisions for the accidentally discovery of historic or archeological resources.					X		
Support the preservation of historic buildings and structures.			X		X		
Implement measures to protect historic, archaeological, and paleontological resources.			X				
GEOLOGY AND SOILS							
Impacts							
Exposure to hazards from strong seismic ground shaking	U	U	PS				
Exposure of the public to hazards associated with unreinforced masonry structures.		S					
Mitigation Measures							
Implement general plan policies and programs to mitigate potential geologic and seismic hazards.		X	X			X	
Implement general plan policies and programs to mitigate impacts on soils and erosion.						X	X

Resource Area/ Impact	Cities						
	Santa Clara County ^a	City of Campbell ^b	City of Cupertino ^c	City of Los Gatos ^d	City of Milpitas ^e	City of San Jose ^f	City of Santa Clara ^g
Adopt and enforce the most recent state seismic requirements and applicable standards for structural design of new development and redevelopment (e.g., the Uniform Building Code and California Building Code).		X					X
Continue programs to educate residents about seismic hazards.			X				
Implement County plans and policies to reduce impacts; however substantial property damage and loss of life could occur in a major earthquake.	X						
GREENHOUSE GAS EMISSIONS & CLIMATE CHANGE							
Impacts							
Projected 2035 GHG emissions will exceed the average carbon-efficiency standard necessary to maintain a trajectory to meet statewide 2050 goals as established by Executive Order S-3-05.						U	U
Projected 2020 GHG emissions would constitute a cumulatively considerable contribution to global climate change by exceeding the average carbon-efficiency standard necessary to meet statewide 2020 goals established by AB 32				U			S
Exposure to significant adverse physical impacts from the effects of global climate change hazards.				U			
Mitigation Measures							
Implement the Greenhouse Gas Reduction Strategy included in the general plan						X	
Participate in the development of a Sustainable Community Strategy in compliance with SB 375 – Redesigning Communities to Reduce Greenhouse Gases						X	
Prepare and implement a comprehensive Climate Action Plan to achieve a fair share of statewide GHG emission reductions consistent with AB 32				X			X
Prepare and implement a climate change preparedness analysis to address adaptation to climate change				X			
Implement general plan policies to reduce GHG emissions							X
HAZARDS AND HAZARDOUS MATERIALS							
Impacts							
Release of or exposure to hazardous materials			PS				
Exposure to soil and/or groundwater contamination		S			S		

Resource Area/ Impact	Cities						
	Santa Clara County ^a	City of Campbell ^b	City of Cupertino ^c	City of Los Gatos ^d	City of Milpitas ^e	City of San Jose ^f	City of Santa Clara ^g
Increased exposure to fire hazard in urban and rural areas			PS				
Mitigation Measures							
Implement general plan programs and policies that address public safety hazards in the planning area.			X				X
Conduct project-specific environmental review and implement identified measures to mitigate identified potential hazards.		X	X		X		
Prior to development of or in proximity to a reported hazardous material site, implement specified measures, including appropriate site assessment, remediation, and follow-up investigation.		X	X		X		
Implement fuel management to reduce fire hazards			X				
HYDROLOGY AND WATER QUALITY							
Impacts							
Degradation of surface water quality from construction activities and/or post-construction uses			PS				
Exposure of people and property to flooding			PS				
Mitigation Measures							
Implement general plan programs and policies that address impacts related to flooding and flood control facilities.							X
Implement general plan policies that control erosion and sedimentation			X				X
Require new development projects and substantial redevelopment projects to incorporate as applicable best management practices of the National Pollutant Discharge Elimination System permit and requirements of other applicable plans to control runoff pollutants and sedimentation.			X				
Implement general plan policies to protect and manage stormwater and groundwater quality.							X
Restrict the extent and timing of hillside grading from April to October.			X				
Adopt stringent land use, zoning and building code regulations limiting new construction in the urbanized flood hazard areas recognized by the Federal Flood Insurance Administration.			X				

Resource Area/ Impact	Cities						
	Santa Clara County ^a	City of Campbell ^b	City of Cupertino ^c	City of Los Gatos ^d	City of Milpitas ^e	City of San Jose ^f	City of Santa Clara ^g
LAND USE							
Impacts							
Land use incompatibilities	S						
Intensification of land uses or substantial changes in land use density, scale, and/or character	S		PS				
Loss of open space or agricultural lands or the premature urbanization of rural areas	S					U	
Cumulative loss of agricultural lands						U	
Inefficient land use patterns	S						
Mitigation Measures							
Implement applicable general plan land use programs and policies that address the clustering of development, resource protection, zoning code modification(s), potential impacts of intensified land uses, conflicts between incompatible land uses, impacts on open space, and/or golf course development.	X		X				
Conduct project-specific environmental review, including design and architectural review as applicable, and implement identified mitigation consistent with general plan land use policies.	X						
Preserve, protect, and enhance the character of residential, retail, and commercial districts and ensure compatibility between the residential, retail, commercial, and industrial districts.			X				
Establish 20-year growth limits as recommended in the plan's urban growth boundary policy.	X						
Deny expansion of commercial development into viable agricultural land and emphasize in-fill to meet these needs (to be implemented by the LAFCO).	X						
Implement the appropriate recommendations of the agricultural preserve study	X						
Conduct studies and implement recommendations on recreational vehicle park needs and golf course development.	X						
Implement general plan policies that encourage protection of agricultural lands through Williamson Act contracts, agricultural conservation easements and transfers of development rights.						X	
Develop pedestrian friendly street environment in each neighborhood to improve neighborhood identity, safety and connection to public services.			X				

Resource Area/ Impact	Cities						
	Santa Clara County ^a	City of Campbell ^b	City of Cupertino ^c	City of Los Gatos ^d	City of Milpitas ^e	City of San Jose ^f	City of Santa Clara ^g
Establish building and development standards for hillside areas to ensure hillside protection			X				
Require dedication of public parkland in areas where significant new housing units are identified.			X				
MINERAL RESOURCES							
Impacts							
Impacts on air quality, noise and traffic from mineral extraction operations			PS				
Mitigation Measures							
Work with the County of Santa Clara to ensure that mining operations outside City limits are consistent with General Plan policies.			X				
NOISE							
Impacts							
Exposure to or generation of excessive noise levels or ground borne vibration							S
Short-term noise impacts during construction			PS				S
Increased noise levels particularly from vehicular traffic		S	PS			U	U
Mitigation Measures							
Implement general plan programs and policies that reduce noise impacts.		X	X			X	X
Implement/require measures to reduce construction noise (e.g., requiring limits on construction hours, use of hospital-grade mufflers on equipment, use of sound barriers or baffles, and/or limits on the number of active building permits issued).							X
Conduct project-level environmental review and implement identified mitigation.		X					
Enforce applicable noise insulation standards of the state building code (Title 24) and adopt and enforce local noise ordinances.		X	X				
Include appropriate noise attenuation techniques in the design new streets and/or implement improvements to reduce noise impacts from existing streets.			X			X	

Resource Area/ Impact	Cities						
	Santa Clara County ^a	City of Campbell ^b	City of Cupertino ^c	City of Los Gatos ^d	City of Milpitas ^e	City of San Jose ^f	City of Santa Clara ^g
Evaluate proposed new developments near railroad rights of way for potential vibration impacts and require developers to incorporate measures to minimize vibration impacts to the maximum feasible extent.							X
POPULATION AND HOUSING							
Impacts							
Increased demand for housing and related impacts on housing affordability			PS				
Jobs/housing imbalances, oversupply of jobs			PS			U	U
Cumulative impacts on jobs/housing imbalances							U
Mitigation Measures							
Implement general plan programs and policies that address impacts related to population growth and housing demand.			X				
Implement general plan land use programs and policies that address jobs/housing imbalances.			X		X		
Implement general plan air quality policies and programs to reduce vehicle miles traveled and associated air pollutant emissions						X	X
PUBLIC SERVICES							
Impacts							
Increased demand for police protection services			PS				
Increased demand for schools, including cumulative demand	S, U		PS				
Mitigation Measures							
Implement specified general plan programs and policies and mitigation identified in the general plan EIR that address funding for and the provision and maintenance of community services and/or facilities.	X						X
Impose development impact fees to cover the costs of needed infrastructure.			X				
Conduct project-specific review to assess required levels of public services and implement identified mitigation			X				
Cooperate with school districts regarding enrollment projections, the collection of school impact fees, and/or implement other specified measures to provide for and maintain adequate educational services.	X		X				

Resource Area/ Impact	Cities						
	Santa Clara County ^a	City of Campbell ^b	City of Cupertino ^c	City of Los Gatos ^d	City of Milpitas ^e	City of San Jose ^f	City of Santa Clara ^g
Implement a Neighborhood Watch Program			X				
RECREATION							
Impacts							
Increased demand for new or expanded parks and/or recreational facilities			PS				
Cumulative impacts on overused park facilities	U						
Mitigation Measures							
Implement general plan policies and programs to improve, expand, acquire, and/or develop park and recreational facilities			X				X
Encourage the use of less-utilized parks in the County.	X						
Provide parkland equal to a minimum of three acres for each 1,000 residents and ensure that each household is within a half-mile walk of a park.			X				
Require dedication of public parkland in areas where significant new housing units are identified.			X				
TRAFFIC AND TRANSPORTATION							
Impacts							
Increased traffic relative to existing traffic and the capacity of the street system						U	
Degradation of levels of service/ increased congestion on area roads or highways		U	PS	U	U	U	U
Increased vehicle delays at area intersections		U	PS		U		
Cumulative traffic impacts on roadway segments and/or intersections	U				U	U	U
Increase in traffic and congestion on roadway segments in other jurisdictions						U	U
Increased emergency response times due to increased motor vehicle traffic and congestion							S
Mitigation Measures							
Implement general plan and/or local transportation plan programs and policies and measures identified in the general plan to mitigate traffic and circulation impacts.			X			X	X

Resource Area/ Impact	Cities						
	Santa Clara County ^a	City of Campbell ^b	City of Cupertino ^c	City of Los Gatos ^d	City of Milpitas ^e	City of San Jose ^f	City of Santa Clara ^g
Work with transit agencies to improve local transit service, develop new transportation facilities, and encourage public transit ridership.							X
Implement measures to encourage the use of alternative modes of travel and reduce vehicle trips.	X		X			X	X
Coordinate traffic signals, improve intersection capacity, and implement other operational measures to maximize the efficiency of the circulation system.					X		
Support and participate in regional transportation planning.			X				
Add various combinations of turn lanes, through lanes, off- and on-ramps, and/or widen lanes at intersections where unacceptable levels of service occur.					X		
Implement measures to reduce traffic impacts on local streets.			X				
Expand highway capacity to relieve some bottlenecks.	X						
Implement parking provisions described in the general plan						X	
Redistribute emergency service station boundaries and implement traffic signal pre-emption for emergency vehicles							X
Create a dedicated funding source for implementation of General Plan roadway and intersection improvements				X			
Implement capacity improvements at intersections to meet intersection LOS policy standards			X				
UTILITIES							
Impacts							
Need for new or expanded water service or wastewater treatment facilities					S		
Need for new or expanded stormwater drainage facilities			PS				
Increased water demand			PS				
Increased demand for wastewater treatment capacity			PS				
Increased demand for solid waste services			PS				U
Potential for future cumulative groundwater basin demand to exceed the aquifer's safe yield							S
Potential for flooding to be caused by 40-year storms.			PS				
Mitigation Measures							

Resource Area/ Impact	Cities						
	Santa Clara County ^a	City of Campbell ^b	City of Cupertino ^c	City of Los Gatos ^d	City of Milpitas ^e	City of San Jose ^f	City of Santa Clara ^g
Encourage the implementation of water conservation measures.			X		X		
Implement general plan policies to find an alternative disposal site to meet the city's future disposal needs.							X
Implement specified general plan policies and programs that address the adequacy of and improvements to the existing utility infrastructure and the potential for using recycled water.					X		
Implement general plan policies that require provision of adequate wastewater systems and coordination of wastewater management, land use, and water supply planning.						X	
Upgrade key parts of the storm drainage system.			X				
Work with sanitary districts to ensure adequate capacity for future land uses.			X				
Implement general plan policies to encourage water conservation and reduce demand from current and future development						X	X
Implement general plan policies to increase use of recycled water			X			X	X
Implement general plan policies to ensure water supply, sanitary sewer and storm drain levels of service will be met for current and future development.						X	
Implement general plan policies to reduce the amount of waste disposed of in landfills and to increase reuse, recycling and composting			X			X	
Groundwater pumping supply quantities will be updated in the Urban Water Management Plan every five years to align water availability with demand.							X
Develop groundwater recharge sites			X				
Encourage watershed based planning, locate development away from sensitive resources and encourage compact development			X				
Require future high discharge users to pay for wastewater tributary lines			X				
Require site design preserve natural topography and limit disturbance to natural water bodies and natural drainage systems.			X				
ENERGY							
Impacts							
Increased demand for energy, including electricity and natural gas			PS				
Increased demand for automobile fuel			PS				

Resource Area/ Impact	Cities						
	Santa Clara County ^a	City of Campbell ^b	City of Cupertino ^c	City of Los Gatos ^d	City of Milpitas ^e	City of San Jose ^f	City of Santa Clara ^g
Mitigation Measures							
Require compliance with California Administrative Code Title 24 (Building Code) energy conservation standards.						X	X
Implement transportation measures to improve roadway system efficiency and provide for alternative means of transportation.						X	
Implement specified general plan policies and programs concerning energy conservation in new and existing housing.						X	
Implement general plan policies to reduce the amount of waste disposed of in landfills and to increase reuse, recycling and composting						X	
When technologically feasible, require all new residential and commercial construction to be designed for zero net energy use as consistent with California Public Utilities Commission's California Longer Term Energy Efficiency Strategic Plan.						X	
Implement general plan policies to encourage water conservation and responsible water management						X	
Design and maintain park facilities to minimize energy, water and chemical use						X	
Implement general plan policies that promote energy conservation, use of renewable energy and sustainable site design.			X				X

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1 **Notes for Table 30C-2.**

Source: County of Santa Clara 1994, City of Campbell 2001, City of Cupertino 2005, Town of Los Gatos 2010, City of Milpitas 2002, City of San Jose 2011, and City of Santa Clara 2011.

Notes:

PS = Potentially Significant Impacts

S = significant Mitigable Impacts

U = Unavoidable Impacts

^a County of Santa Clara 1994a. *General Plan Environmental Report*. State Clearinghouse #94023004, November;

———. 1994b. Resolution of the Board of Supervisors of the County of Santa Clara Recommending Certification of Final Impact Report, Adopting Related Overriding Considerations and Monitoring Program, and Adoption of the County General Plan, December 20, 1994b.

^b City of Campbell. 2001. *Campbell Draft General Plan Final Environmental Impact Report*. SCH #2001042063, September.

^c City of Cupertino. 2005. *Supplemental Environmental Analysis for the Final Environmental Impact Report of the General Plan*, November 15; *General Plan 2005 Mitigation Monitoring and Reporting Program*, November 15; and *Draft Environmental Impact Report of the Task Force General Plan of the City of Cupertino*. SCH 2002122061, January.

^d Town of Los Gatos. 2010. *Town of Los Gatos 2020 General Plan Final Environmental Impact Report*. June 16.

^e City of Milpitas. 2002a. *Environmental Impact Report for the Midtown Milpitas Specific Plan*. State Clearinghouse #2000092027. January;

———. 2002b. *Resolution No. 7150 of the City Council of the City of Milpitas Certifying an Environmental Impact Report for the Milpitas Midtown General Plan Amendment and Specific Plan Project and Adopting Related Mitigation Findings, Findings Regarding Alternatives, A Statement of Overriding Considerations and a Mitigation Monitoring and Reporting Plan Pursuant to the California Environmental Quality Act*. March 19.

^f City of San Jose. 2011. *Draft Program Environmental Impact Report for the Envision San Jose 2040 General Plan*. State Clearinghouse # 2009072096, June; and *First Amendment to the Draft Program Environmental Impact Report for the Envision San Jose 2040 General Plan*. September.

^g City of Santa Clara. 2011. *Integrated Final Environmental Impact Report: City of Santa Clara Draft 2010–2035 General Plan*. Volume I EIR Text. January.

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1 **Table 30C-3. Significant Mitigable (S) and significant Unavoidable (U) Impacts Identified by**
 2 **General Plan Environmental Impact Reports in the Study Area – Tulare Lake and central coast**
 3 **Hydrologic Regions**

Resource Area/ Impact	Cities		County of Santa Barbara Community Plans	
	City of Bakersfield ^a	Santa Ynez Valley ^b	Town of Los Alamos ^c	Orcutt
AESTHETICS				
Impacts				
Alteration of visual setting or degradation of existing views		U	U	U
Impacts on scenic resources, including resources within a scenic highway corridor		S		U
Impact on scenic vistas due to conversion of rural land to urban uses				U
Increased light and glare		S		S
Cumulative impacts to visual character		U		
Mitigation Measures				
Implement general plan programs and policies that address visual quality in the planning area. (Such policies and measures may include site planning/design procedures and standards, architectural review, and standards pertaining to landscaping and natural areas.)			•	
Require fees to fund a Landscape-Open Space Maintenance District				•
Require shielding of new lighting				•
Adopt a Regional Open Space/Parkway				•
Implement architectural and development guidelines to protect community character		•		
AGRICULTURAL RESOURCES				
Impacts				
Conversion of agricultural land to nonagricultural uses	U	U		U
Cumulative loss of agricultural land		U		
Conflicts between agricultural uses and adjacent land uses			S	U
Development under general plan policies may conflict with existing zoning for agricultural use or a Williamson Act contract	U			
Mitigation Measures				
Implement recommendations of a study on the development of golf courses in areas zoned for agriculture to reduce impacts.				

Resource Area/ Impact	County of Santa Barbara Community Plans			
	Cities			
	City of Bakersfield ^a	Santa Ynez Valley ^b	Town of Los Alamos ^c	Orcutt
Implement general plan programs and policies, and measures identified in the general plan EIR, to protect agricultural and prevent its conversion to non-agricultural uses.	•	•		•
Establish buffers to separate farmland from incompatible urban uses	•			•
Require residential projects to incorporate mechanisms into project design (buffers, fences) to reduce conflicts between residences and agricultural operations.			•	
Require notification in property title of the potential for agricultural activities on adjacent parcels.			•	•
Implement right-to-farm ordinances	•			
AIR QUALITY				
Impacts				
Conflicts with, or obstruction of, the implementation of an applicable air quality attainment plan or congestion management plan	U	U	U	
Increases in air emissions and/or ozone precursors	U			U
Generation of operational air pollutants emissions from area and mobile sources			U	
Exposure of new sensitive land uses to toxic air contaminant or local odor emission sources			S	
Periodic construction-related air quality impacts	U	S	S	S
Odor nuisance impacts		S		
Cumulative odor impacts		S		
Cumulative impacts from temporary construction emissions		S	S	
Mitigation Measures				
Provide site features and implement measures to encourage use of alternative modes of travel (to single-passenger vehicles) and reduce vehicle trips. (Such measures include implementing improvements to bicycle and pedestrian circulation systems and working with local and regional planning and transportation agencies to improve public transit services.)				•
Implement general plan natural resource chapter policies regarding air quality impacts.				•
Facilitate mixed-use development and maintain jobs/housing balance.				•

Resource Area/ Impact	County of Santa Barbara Community Plans			
	Cities			
	City of Bakersfield ^a	Santa Ynez Valley ^b	Town of Los Alamos ^c	Orcutt
Implement general plan transportation control measures to reduce vehicle miles traveled and associated air pollutant emissions	•	•	•	
Implement general plan policies requiring dust abatement measures during significant grading and construction operations	•		•	•
Implement general plan policies encouraging the use of alternative fuel and low or zero emission vehicles	•			
Require applicants for wineries or other odor generators to develop and implement an Odor Abatement Plan		•	•	
Implement fugitive dust controls to reduce particulate matter emissions from construction.		•		
Require construction projects to follow requirements of the local air pollution control district (APCD) and to institute Best Available Control Technology to reduce emissions below the APCD thresholds			•	
BIOLOGICAL RESOURCES				
Impacts				
Impact(s) on/loss of special-status animal or plant species		U, S	U	U, S
Impacts to sensitive habitats		U, S		U, S
Impacts on biological resources due to individual or cumulative impacts on wetlands, riparian habitat, or other sensitive habitat		U		
Fragmentation of sensitive habitats due to vegetation clearing				U
Reduction of riparian habitat due to development adjacent to creeks and increased creek maintenance				U
Disruption of wildlife migration or travel corridors		U		
Loss of native grasslands and grasslands habitat that could affect special-status wildlife			S	
Degradation of water quality impacting habitats of special-status species due to increased runoff from residential and commercial expansion			S	
Loss of protected trees and wildlife roosts and nests on residential, commercial and institutional lots.			S	
Mitigation Measures				
Implement general plan policies and programs to protect biological resources.				•

Resource Area/ Impact	Cities	County of Santa Barbara Community Plans		
	City of Bakersfield ^a	Santa Ynez Valley ^b	Town of Los Alamos ^c	Orcutt
Conduct project-specific environmental review and implement mitigation.		•	•	
Require project-specific surveys conducted by qualified professionals according to established protocols to determine on-site resources and appropriate site-specific mitigation measures.		•	•	
Form a landscape-open space maintenance district and assess fees to fund the district				•
Require buffer, fencing, and restoration of wetland/upland habitat				•
Establish a 50-foot buffer around affected streams within the plan area			•	•
Provide open space linkages within and between properties.		•		
Preserve annual and native grasslands to the extent feasible			•	
Implement policies to protect designated heritage trees and other trees of environmental significance			•	
Protect important natural resources unless it would prevent reasonable development				•
CULTURAL RESOURCES				
Impacts				
Disturbance of historical resource(s)	S	U	U	U
Disturbance of archaeological resource(s)	S	U	U	U, S
Disturbance of paleontological resource(s)	S			
Cumulative impacts on historical resources			U	S
Cumulative impacts on archaeological resources			U	
Mitigation Measures				
Implement general plan policies and programs and measures identified in the general plan EIR to protect cultural resources.	•		•	•
Require professional survey of all unsurveyed sites prior to construction				•
Conduct project-specific review and implement identified mitigation consistent with general plan cultural resource policies.	•	•		
Conduct the proposed work consistent with the state and federal standards for historic resources.	•			
Conduct an inventory of historic resources within the plan area		•		

Resource Area/ Impact	County of Santa Barbara Community Plans			
	Cities			
	City of Bakersfield ^a	Santa Ynez Valley ^b	Town of Los Alamos ^c	Orcutt
Implement measures to protect historic, archaeological, and paleontological resources.		•		•
Require that new development preserve and restore the character-defining features of significant historic resources.			•	•
GEOLOGY AND SOILS				
Impacts				
Exposure to liquefaction, subsidence and other soil and seismic related hazards		S		S
Increased erosion, slope collapse and sedimentation				U, S
Blowing sand during site grading and preparation				S
Inadequate capacity to contain septic systems				S
Mitigation Measures				
Implement general plan policies and programs to mitigate potential geologic and seismic hazards.				•
Prior to issuance of a building permit, require soil sampling and implementation of proper slope engineering and landscape design to protect development from erosion.		•		
Ensure soils have adequate septic capacity				•
Implement general plan policies and programs to mitigate impacts on soils and erosion.				•
Prohibit development on expansive or liquefiable soils				•
GREENHOUSE GAS EMISSIONS & CLIMATE CHANGE				
Impacts				
Increase in greenhouse gas emissions		S	S	
Mitigation Measures				
Implement measures to reduce emissions from construction.		•	•	
Allocate a portion of transportation impact fees for improvements to alternative transportation facilities.			•	
Encourage the use of solar energy systems			•	
Implement measures to reduce operational phase fuel usage and greenhouse gas emissions (e.g. energy efficiency and green building techniques, incorporation of greenhouse gas reduction measures).		•	•	

Resource Area/ Impact	County of Santa Barbara Community Plans			
	Cities			
	City of Bakersfield ^a	Santa Ynez Valley ^b	Town of Los Alamos ^c	Orcutt
Establish a Sustainable Energy Financing District to fund alternative energy improvements.		•		
HAZARDS AND HAZARDOUS MATERIALS				
Impacts				
Increased exposure to fire hazard in urban and rural areas				U
Increased population exposed to potential hazards in overflight zone				U
Increased exposure to potential hazards near oil wells, including rupture of high pressure sour gas lines.				S
Exposure to risk of loss, injury or death involving wildland fires		S		
Cumulative impacts from development within Wildland Fire Hazard Areas		S		
Mitigation Measures				
Require review and approval by Airport Land Use Committee of developments in airport flight approach zones				•
Require project design to minimize potential conflicts with oil wells and oil production				•
Require applicants for developments within high fire hazard areas to implement fire/vegetation management plans, fire prevention construction techniques		•		•
Provide emergency vehicle access roads		•		
HYDROLOGY AND WATER QUALITY				
Impacts				
Degradation of surface water quality from construction activities and/or post-construction uses		S	S	
Overdraft of the groundwater basin				U
Cumulative temporary water quality impacts		S		
Loss of property and personal injury due to development within the 100-year floodplain				U
Increased erosion, deposition and downstream property damage from development within the 100-year floodplain				U
Increased runoff, sedimentation from development.				U
Decreased groundwater quality as a result of wastewater return flows with high dissolved solids concentration				U

Resource Area/ Impact	Cities		County of Santa Barbara Community Plans	
	City of Bakersfield ^a	Santa Ynez Valley ^b	Town of Los Alamos ^c	Orcutt
Mitigation Measures				
Implement general plan policies that control erosion and sedimentation				•
Raise fees from new development to build a new wastewater treatment plans				•
Implement a water supply program that completely offsets increased demand.				•
Require new development projects and substantial redevelopment projects to incorporate as applicable best management practices of the National Pollutant Discharge Elimination System permit and requirements of other applicable plans to control runoff pollutants and sedimentation.			•	
Implement construction best management practices to protect water quality		•		
LAND USE				
Impacts				
Growth inducement effects including extension of the urban/rural boundary line, substantial population growth, extension of sewer and water lines, loss of open space and loss of agricultural land				U
Mitigation Measures				
Include higher density zone districts to maximize the holding capacity of the urban areas and retain the maximum amount of agricultural land				•
Provide a range of commercial and industrial uses which promote orderly economic development and improve the balance between jobs and housing				•
NOISE				
Impacts				
Short-term noise impacts during construction				U, S
Exposure of sensitive uses to noise in excess of 65 dB				U
Exceedance of noise standards due to increased vehicular traffic and/or mixed use development.	U	S		
Increased traffic noise		U	S	
Increased noise levels due to operation of railways				
Increased noise levels due to operation of area airports				S

Resource Area/ Impact	Cities		County of Santa Barbara Community Plans	
	City of Bakersfield ^a	Santa Ynez Valley ^b	Town of Los Alamos ^c	Orcutt
Cumulative impacts from exposure to unacceptable noise levels		S		
Cumulative impacts from increased traffic noise		U	S	
Mitigation Measures				
Implement general plan programs and policies that reduce noise impacts.	•			•
Require setbacks and building design standards such as insulated walls and double-paned windows				•
Locate sensitive land uses outside the 65 dB/CNEL contour of the airport				•
Require new sensitive receptor developments to incorporate construction/design specifications that would result in ambient noise environment less than 65 dBA CNEL in exterior spaces and 45 dBA CNEL in interior spaces		•	•	
Enforce truck idling limitations		•		
Require sound barriers for external equipment		•		
Require disclosure of potential nuisance upon transfer of residential property on mixed-use sites.		•		
PUBLIC SERVICES				
Impacts				
Increased demand for police protection services				U
Increased demand for fire protection services		U		
Increased demand for schools, including cumulative demand			S	U
Increased demand for library service				U
Cumulative fire protection service impacts		U		
Mitigation Measures				
Implement specified general plan programs and policies and mitigation identified in the general plan EIR that address funding for and the provision and maintenance of community services and/or facilities.		•		
Impose development impact fees to cover the costs of needed infrastructure.			•	•
Establish a special tax (requires 2/3 voter approval) to fund acquisition, construction and furnishing of new library				•
Build a new fire station as funding becomes available		•		

Resource Area/ Impact	County of Santa Barbara Community Plans			
	Cities			
	City of Bakersfield ^a	Santa Ynez Valley ^b	Town of Los Alamos ^c	Orcutt
Assess fees to hire more police officers				•
RECREATION				
Impacts				
Increased demand for new or expanded parks and/or recreational facilities				U
Adverse environmental effects resulting from additional recreational facilities		S		
Reduction of existing, informal open space and trail network				U
Mitigation Measures				
Implement general plan policies and programs to improve, expand, acquire, and/or develop park and recreational facilities				•
Implement guidelines to minimize land use conflicts and environmental impacts of new recreational facilities.		•		
Assess a fee on new development to fund installation and maintenance of public recreation facilities				•
Adopt an Open Space Overlay and Open Space Plan				•
TRAFFIC AND TRANSPORTATION				
Impacts				
Increased traffic relative to existing traffic and the capacity of the street system		S		U, S
Degradation of levels of service/ increased congestion on area roads or highways	U			
Increased vehicle delays at area intersections				U
Increase in demand for and use of alternative transportation				S
Increased emergency response times due to increased motor vehicle traffic and congestion				U
Mitigation Measures				
Implement general plan and/or local transportation plan programs and policies and measures identified in the general plan to mitigate traffic and circulation impacts.	•			
Work with transit agencies to improve local transit service, develop new transportation facilities, and encourage public transit ridership.		•		

Resource Area/ Impact	County of Santa Barbara Community Plans			
	Cities			
	City of Bakersfield ^a	Santa Ynez Valley ^b	Town of Los Alamos ^c	Orcutt
Coordinate with Caltrans to incorporate park-and-ride facilities near planned freeway interchanges				•
Revise the transportation impact fee to allow an increased level of funds to be allocated for alternative transportation		•		•
Implement road system improvements such as the addition of roundabouts, signalized intersections and additional lanes.		•		•
Prepare an on-street parking plan, which includes the installation of angled parking.			•	
Encourage mixed-use and higher density developments that reduce reliance on automobiles.				•
Add various combinations of turn lanes, through lanes, off- and on-ramps, and/or widen lanes at intersections where unacceptable levels of service occur.		•		
Implement parking provisions described in the general plan			•	
UTILITIES				
Impacts				
Need for new or expanded water service or wastewater treatment facilities	S			S
Increased water demand		U		
Increased demand for water storage			U	
Increased demand for wastewater treatment capacity		U	U	
Increased demand for solid waste services		U	U	U
Cumulative solid waste impacts		U		
Cumulative water demand impacts		U		
Cumulative wastewater impacts		U		
Mitigation Measures				
Encourage the implementation of water conservation measures.		•	•	
Establish a toilet retrofit program			•	
Require new development to integrate designs and landscaping that facilitates water conservation and infiltration			•	
Require charcoal filters or other method to reduce petrochemical discharge from new commercial and industrial development				•

Resource Area/ Impact	Cities		County of Santa Barbara Community Plans	
	City of Bakersfield ^a	Santa Ynez Valley ^b	Town of Los Alamos ^c	Orcutt
Develop a wastewater transport and treatment facilities master plan in conjunction with county agencies.	•			
Require applicants for individual discretionary projects to develop and implement a solid waste management plan.		•	•	
Require siting and design of onsite wastewater treatment and disposal facilities to be protective of water resources.		•		
Work with sanitary districts to ensure adequate capacity for future land uses.			•	
Suspend issuance of land use permits upon reaching 90% of permitted wastewater treatment capacity until additional wastewater treatment capacity is constructed			•	
Implement general plan policies to reduce the amount of waste disposed of in landfills and to increase reuse, recycling and composting			•	•
Work with water purveyors to assess water demand and identify necessary infrastructure improvements to serve buildout demand.		•		
Require a 50% reduction in solid waste by year 2000				•
<p>Source: City of Bakersfield 2002a, City of Bakersfield 2002b, County of Santa Barbara 2009a, County of Santa Barbara 2009b, County of Santa Barbara 2010, County of Santa Barbara 2011, County of Santa Barbara 1995, County of Santa Barbara 1997.</p> <p>Notes: S = Significant Mitigable Impacts U = Significant Unavoidable Impacts</p> <p>^a City of Bakersfield. 2002a. <i>Metropolitan Bakersfield General Plan Update Draft Environmental Impact Report. SCH #1989070302</i>, June. ———. 2002b. City of Bakersfield, <i>Findings Regarding the Environmental Effects for the Metropolitan Bakersfield General Plan Update</i>. September.</p> <p>^b County of Santa Barbara. 2009a. <i>Santa Ynez Valley Community Plan EIR, SCH 2007071093</i>, September; ———. 2009b. County of Santa Barbara, <i>Findings and Statement of Overriding Considerations for the Santa Ynez Valley Community Plan EIR</i>. State Clearinghouse No. 2007071093. September 22.</p> <p>^c County of Santa Barbara. 2010. <i>Los Alamos Community Plan Update Final Environmental Impact Report</i>. SCH 2008101147, July. ———. 2011. <i>Findings, Statement of Overriding Considerations and Mitigation Monitoring and Reporting Program for the Los Alamos Community Plan Update EIR</i>. February 15.</p> <p>^d County of Santa Barbara. 1995. <i>Orcutt Community Plan Environmental Impact Report 95-EIR-01</i>. (SCH No. 95031055). ———. 1997. <i>Findings and Statement of Overriding Considerations – Orcutt Community Plan</i>, July 22.</p>				