

Appendix

D MITIGATION MONITORING AND REPORTING PROGRAM

"Planning for a Sustainable Solano County"

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Appendix D: Mitigation Monitoring and Reporting Program

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Solano County General Plan Implementation Programs				
Implementation Program	Related Policies	Agency/Department	Funding Source	Time Frame
Land Use				
<i>Regulations</i>				
LU.I-1: Update the County Zoning Ordinance and other regulations to incorporate recommended changes in land use designations, provide performance standards for development within each designation and define allowed uses within each designation. Develop and enforce design standards that integrate commercial and industrial development with its surrounding environment. Limit areas northeast of Dixon (identified in Figure LU-7) to industrial uses that support agriculture. Prohibit “commercial truck stops” on Highway Commercial designated lands adjacent to the Vacaville-Dixon Greenbelt.	LU.P-14, LU.P-16, LU.P-18, LU.P-19, LU.P-21, LU.P-22, LU.P-23, LU.P-25, LU.P-24, LU.P-26, LU.P-27, LU.P-28, LU.P-29, LU.P-30, LU.P-32, LU.P-33, LU.P-34, LU.P-35, LU.P-36, LU.P-37, LU.P-38, LU.P-37, LU.P-38, LU.P-39, LU.P-40	Department of Resource Management	General Fund	Amend by 2011; Ongoing
 <p>The Limited Industrial area outside of Dixon, as referenced in Policy LU.P-27.</p>				

Figure LU-6
Dixon Limited Industrial Area

Solano County General Plan Implementation Programs				
Implementation Program	Related Policies	Agency/Department	Funding Source	Time Frame
LU.I-2: Amend the County zoning code to include development standards consistent with the adopted Airport Land Use Plans.	LUP-31	Department of Resource Management	General Fund	2008
LU.I-3: Create and adopt Gateway Design Guidelines in consultation with the cities consistent with adopted commercial and industrial guidelines of each city. These guidelines will be applicable to commercial or industrial uses within the unincorporated County area adjacent to an MSA. The guidelines will be developed concurrently with the proposed update to the County Zoning Code. These guidelines will apply to the following areas: <ol style="list-style-type: none">1. I-505 Specific Project Area north of Vacaville;2. Limited Industrial uses northeast of Dixon;3. Highway Commercial uses at I-80 and Midway Rd and I-505 and Midway Rd;4. Service Commercial and Commercial Recreation uses along Midway Road north of Vacaville;5. Peabody Road area;6. Old Town Cordelia; and7. Limited Industrial uses adjacent to Rio Vista.	LUP-24	Department of Resource Management	General Fund	Create by 2011, concurrent with zoning update
LU.I-4: Review and update zoning districts consistent with land use designations based on the following General Plan/Zoning Consistency Table. (See Table LU-7)	LUP-32	Department of Resource Management	General Fund	Amend by 2011; Ongoing
LU.I-5: Incorporate and implement all mitigation measures required by the Environmental Impact Report as found in the Mitigation, Monitoring, and Reporting Program in Appendix D. Report on the progress of this effort annually to the Board of Supervisors.	All	Department of Resource Management	As indicated in the MMRP	As indicated in the MMRP; Annually
<i>Development Review</i>				
LU.I-6: Provide for detailed land planning through the Specific Project Area land use designation and subsequent planning process. Where specific plans and policy plan overlays are required before development in these areas, these plans shall determine: ► resource or hazard areas to be avoided by development;	LUP-28, SS.P-1 to SS.P-8	Department of Resource Management	Project Applicant; General Fund	Ongoing

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<ul style="list-style-type: none"> ▶ techniques to ensure that development is compatible with the character of the surrounding area; ▶ the amount of land that will be preserved for agriculture and other resources and the methods by which such preservation will be accomplished; and ▶ plans describing how the proposed development will be provided with adequate levels of water and wastewater service. <p>The Specific Project Area north of Vacaville (see Figure LU-8) will be subject to a policy plan overlay or specific plan. The intention for this Specific Project Area is to provide space for large scale users that can not be accommodated within city industrial areas and other uses that may not be compatible within city industrial parks consistent with the Limited Industrial designation. Additionally, this plan must include:</p> <ol style="list-style-type: none"> 1. a 100-foot wide landscaped buffer along I-505 for new uses such that industrial uses or areas are screened from I-505; 2. development requirements to ensure that there are no significant public safety impacts including fire, traffic and emergency medical services; 3. review of alternatives for the provision of water and wastewater in coordination with the City of Vacaville and other agencies; and 4. application of Gateway Design Guidelines to be established by the County (see Program LU.I-3 above). <p>Prior to preparation of a Specific Plan or Policy Plan, businesses forced to relocate from the Peabody Road area that cannot be relocated within or through annexation to the City of Fairfield and cannot be accommodated in the City of Vacaville may be permitted subject to a development agreement that addresses items 1–4 above.</p>				

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<p>LU.I-7: For Specific Project Areas featuring residential development, require specific plans to specify guidelines for cluster development, including minimum and maximum lot sizes, guidance on placement of units to provide maximum use of the remaining portions of land as agriculture or open space, and development standards.</p> <p>LU.I-8: Phase future residential development, giving first priority to those undeveloped areas zoned and designated for rural residential use and where rural residential development has already been established; second priority to undeveloped areas designated but not zoned for rural residential use and where rural residential development has already been established; and third priority to those undeveloped areas designated for rural residential</p>	<p>LU.P-17</p>	<p>Department of Resource Management</p>	<p>Project Applicant; General Fund</p>	<p>Ongoing</p>

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use. Also give priority to lands where public facilities and services are currently provided.				
LU.I-9: Permit redesignation of agricultural or open space-designated land only in accordance with the Orderly Growth Initiative, Policy LU-3.	LU.P-3	Department of Resource Management	Development fees	Ongoing
LU.I-10: Ensure that development within the airport land use compatibility areas and safety zones of the county's airports complies with noise, height, and safety policies set forth in the airports' comprehensive land use plans.	LU.P-31	Department of Resource Management; Solano County Airport Land Use Commission	Development fees	Ongoing
LU.I-11: When reviewing development proposals, work with applicants to establish development patterns that result in shorter motor vehicle trips, make alternative transit modes viable, and encourage physical activity.	LU.P-34, LU.P-36, LU.P-37, TC.P-4	Department of Resource Management	General Fund; Development fees	Ongoing
LU.I-12: When reviewing development proposals, work with applicants to achieve project and street designs that create cleaner air and water and safer streets, reducing injuries to pedestrians, bicyclists, and motorists from crashes.	LU.P-33, LU.P-34, TC.P-4	Department of Resource Management	General Fund; Development fees	Ongoing
<i>Coordination with Other Agencies and Organizations</i>				
LU.I-13: Work with the cities and the Solano Local Agency Formation Commission to conform municipal service areas with sphere of influence lines and clearly define those lands that are expected to be urbanized through annexation. Work with the cities and the Solano Local Agency Formation Commission to clearly define those lands that are expected to be urbanized through annexation. Lands designated for urbanization should support the goal of compact development and maintaining agricultural lands in agricultural use. Continue to focus most development within incorporated areas through collaboration with the cities and the Solano Local Agency Formation Commission, municipal service agreements, sphere of influence agreements, and other local agreements.	LU.P-1, LU.P-2, LU.P-3, LU.P-4, LU.P-5, LU.P-8, LU.P-12, LU.P-13, LU.P-20	Department of Resource Management; Solano LAFCO; Cities	General Fund	Ongoing
LU.I-14: Continue to provide cities the opportunity to review, comment on, and coordinate land use proposals and decisions within a city's municipal service area and surrounding areas.	LU.P-6, LU.P-7, LU.P-9, LU.P-10	Department of Resource Management; Cities	Development fees; General Fund	Ongoing

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LU.I-15: Review land use updates and amendments to city general plans and consider amending County land use classifications and municipal service areas to incorporate city land use changes as appropriate.	LU.P-5, LU.P-7, LU.P-9	Department of Resource Management	General Fund	Ongoing
LU.I-16: Work with cities to protect and maintain designated urban-agricultural buffers within their jurisdictions compatible with adjoining agriculture uses.	LU.P-11	Department of Resource Management; Agriculture Commissioner; Solano County cities	General Fund	Ongoing
LU.I-17: Work with cities and the Solano Local Agency Formation Commission to ensure interim use of the Travis Reserve Area as agriculture and grazing lands, and to reserve sufficient land within the Reserve to accommodate future expansion of the air force base and support facilities or general aviation use.	LU.P-12	Department of Resource Management; Travis Air Force Base; Solano County Airport Land Use Commission; Solano LAFCO; cities	General Fund	Ongoing
LU.I-18: Work with cities to ensure that sufficient land is designated for residential, commercial, and industrial uses to meet the county's projected housing, employment, and economic development needs.	LU.P-13, LU.P-20, LU.P-38	Department of Resource Management	General Fund	Ongoing
LU.I-19: Coordinate with the Metropolitan Transportation Commission, Solano Transportation Authority and the California Department of Transportation to ensure that transportation planning and improvement programs are consistent with this chapter.	LU.P-33	Department of Resource Management	General Fund	Ongoing
Special Study Areas				
<i>Middle Green Valley—Regulations</i>				
SS.I-1: Adopt a plan (either a specific plan or master plan) to implement these policies for Middle Green Valley. That plan should specify: <ul style="list-style-type: none"> ▶ the area covered by the plan; ▶ techniques to ensure development is compatible with the rural character of Middle Green Valley and surrounding areas. Such techniques should include design guidelines and development standards; ▶ guidelines for cluster development, including minimum and maximum lot sizes, development standards, and density bonus 	SS.P-1, SS.P-2, SS.P-3, SS.P-4, SS.P-5, SS.P-6, SS.P-7, SS.P-8	Department of Resource Management	General Fund; Grant funds	Initiate Specific Plan process January 2009

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Implementation Program	Related Policies	Agency/Department	Funding Source	Time Frame
<p>credits for clustered development;</p> <ul style="list-style-type: none"> ▶ the details of a transfer of development rights program (with an implementing ordinance), including: the designation of areas where development is preferred, creating appropriate and equitable re-zoning, clustering of housing, and determining the ratio of credits to property owners who voluntarily forego development; ▶ the number of units and/or credits, with or without clustering, that will provide incentives for all landowners in the area to participate in a market driven transfer of development rights program, based on 400 units, subject to further study; ▶ the location and dimensions of a wildlife corridor (“green corridor”); ▶ the maximum number of units any property owner can develop, with or without clustering; ▶ the techniques to be applied voluntarily by property owners that ensure permanent protection and maintenance of resources/views on lands to remain undeveloped; and ▶ the details of how the development would be served with water and wastewater service. Attempt to secure public water and wastewater service through a cooperative effort of property owners, residents, the County, and the City of Fairfield. ▶ Property owners shall receive a minimum development credit for the number of primary dwelling units that would be allowed under the land use designations under the 1980 General Plan. For land designated as Agriculture, the number of units/credits would be one per 20 acres and for land designated Rural Residential the number of units/credits would be one per 5 acres. 				
SS.I-2: Establish a Middle Green Valley Citizens Advisory Committee.	SS.P-1, SS.P-2, SS.P-3, SS.P-4, SS.P-5, SS.P-6, SS.P-7, SS.P-8	Department of Resource Management	General Fund	September 2008
<i>Suisun Valley—Regulations</i>				

Solano County General Plan Implementation Programs				
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SS.I-3: Preserve agricultural production as the principal use of the Valley's farmlands using such tools as minimum parcel sizes, establishment of neighborhood agricultural centers, and streamlined permit processing.	SS.P-9, SS.P-10, SS.P-12, SS.P-15	Department of Resource Management	General Fund	Ongoing
SS.I-4: Use zoning and development standards to ensure that future development fits the scale of the Valley's rural and agricultural context. Update the County Zoning Ordinance to incorporate and codify the desired uses identified in Table LU-4. Enact zoning and development standards allowing farms and vineyards to process, store, bottle, can, package, and sell products produced both on-site and off-site. Develop design guidelines to promote community character and facilitate tourism within neighborhood agricultural centers.	SS.P-11, SS.P-13, SS.P-16	Department of Resource Management	General Fund; Suisun Valley Fund	Ongoing
<i>Suisun Valley—Ongoing Planning Efforts, Public Outreach, and Education</i>				
SS.I-5: As part of the County's economic development program, support programs that promote the branding and identity of Suisun Valley products.	SS.P-14	Department of Resource Management	Suisun Valley Fund	Ongoing
SS.I-6: Work with local residents to find a suitable location for a public gathering place for community activities, including farmers' markets and seasonal festivals. Explore infrastructure alternatives for individual agricultural neighborhood centers to accommodate new commercial and tourist uses.	SS.P-17, SS.P-18	Department of Resource Management	Suisun Valley Fund	Ongoing
<i>Collinsville—Regulations</i>				
SS.I-7: Review and update the Collinsville-Montezuma Hills Area Plan and Program consistent with the Collinsville special study area land uses, policies and programs. The Area Plan policies and programs that apply to the secondary management area of the Suisun Marsh shall be reviewed and updated consistent with the Suisun Marsh Protection Plan.	SS.P-19, SS.P-20, SS.P-21, SS.P-22, SS.P-23, SS.P-24, SS.P-25, SS.P-26, SS.P-27	Department of Resource Management	General Fund, Project Applicants	2011
<i>Collinsville—Funding, Physical Improvements, and Capital Projects</i>				
SS.I-8: Evaluate the circulation system within the Water Dependent Industrial area and upgrade it when necessitated by industrial development to ensure that industrial and nonindustrial uses, particularly agriculture, can coexist in the area. Future	SS.P-24	Department of Resource Management	Development fees; General Fund	Ongoing

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industrial development will be required to mitigate possible traffic impacts, including impacts of construction traffic. If a new industrial roadway is developed, consider an alternative to the current alignment shown in the 1979 Collinsville–Montezuma Hills Area Plan and Program, including an alternative to avoid extension of the industrial roadway through the City of Rio Vista. Protect the agricultural function of existing roadways.				
SS.I-9: Explore additional funding mechanisms for levees to protect the Collinsville town site. Protect existing, historic communities from floodwaters by supporting the ongoing maintenance of levees and other flood control mechanisms.	SS.P -37	Department of Resource Management	General Fund	Ongoing
<i>Collinsville—Ongoing Planning Efforts, Public Outreach, and Education</i>				
SS.I-10: Evaluate potentially historic buildings and develop a program to protect those that are of local, state, or national importance.	SS.P-23	Department of Resource Management	Grant funds; General Fund	Ongoing
SS.I-11: Work with property owners to establish appropriate businesses in the Commercial Recreation area of the Collinsville town site; maintain an open dialogue with neighboring residents to ensure that the uses are sufficiently buffered from residential uses. Ensure separation between residential uses and any future commercial or marina activities to the west of Collinsville.	SS.P-31, SS.P-35	Department of Resource Management	General Fund; Development Fees	Ongoing
SS.I-12: Work with business and property owners to provide support for neighborhood-serving commercial uses in Birds Landing, including investigating the possibility of providing low-interest loans or other assistance for business upkeep and development. Maintain and support the expansion of Neighborhood Commercial uses appropriate for the traditional community in Birds Landing. Ensure that the Birds Landing Hunt Club can continue in its present use.	SS.P-22, SS.P-32, SS.P-36	Department of Resource Management	General Fund	Ongoing
SS.I-13: Continue to promote the development of renewable energy production in the Collinsville area. Renewable energy should be considered in the development of the Water Dependent Industrial area. Maintain an agricultural or marsh buffer between homes in Collinsville and any future industrial uses to mitigate visual impacts, glare, noise, and particulates.	SS.P-33	Department of Resource Management	General Fund	Ongoing

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<i>Old Town Cordelia—Funding, Physical Improvements, and Capital Projects</i>				
SS.I-14: Support plans and policies that reduce the traffic impacts on Old Town Cordelia. Ensure that future improvements to regional roadways avoid additional traffic impacts on Old Town Cordelia by diverting traffic to alternate routes. Encourage the use of traffic calming features on Cordelia Road and Bridgeport Avenue that slow or divert pass-through traffic, but do not compromise public safety or emergency access. Provide for convenient and appropriately scaled local neighborhood services and family-oriented commercial uses without creating additional traffic or parking needs.	SS.P-30	Department of Resource Management	General Fund; Grant funds	Ongoing
SS.I-15: Work with local residents, the City of Fairfield, water agencies, resource agencies, and the Fairfield Unified School District to complete improvements to infrastructure and public facilities in Old Town Cordelia, including flood prevention infrastructure, a neighborhood park (possibly on the site of the former Green Valley Middle School), and streetscape improvements and street furniture, and to enhance the community's recreational resources. Work with the water agencies to monitor recurring flooding in Old Town Cordelia and the performance of Cordelia Slough to determine whether it is functioning and will continue to function at a safe carrying capacity. Work with resource agencies to resolve current and future sediment loads, downstream flooding issues, and silt deposits on properties and in sloughs downstream to protect fish and wildlife resources, downstream habitat, and property. Work with the school district to determine desirable future uses for the vacant former Green Valley Middle School site.	SS.P-31, SS.P-32	Department of Resource Management	General Fund	Ongoing
SS.I-16: Design a uniform system of signage and street furniture emphasizing a historic theme and/or using traditional materials and forms from Old Town Cordelia. In coordination with streetscape improvements, signs and street furniture should be compatible with their surroundings and opportunities for outdoor dining should be encouraged.	SS.P-29, SS.P-31	Department of Resource Management	General Fund	Ongoing
<i>Old Town Cordelia—Ongoing Planning Efforts, Public Outreach, and Education</i>				
SS.I-17: Work with the community to study the potential for new	SS.P-29	Department of Resource	General Fund; Grant	Ongoing

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infill standards, design guidelines, and/or economic incentives to ensure that any future development is appropriately designed and scaled to fit in with the community's historic context.		Management	funds	
SS.I-18: Prevent the loss of significant historic buildings and structures and study incentives that encourage individual property owners to preserve the historic character of Old Town Cordelia.	SS.P-28	Department of Resource Management	General Fund; Grant funds	Ongoing
Agriculture				
<i>Regulations</i>				
AG.I-1: Create and adopt a farmland conversion mitigation program and ordinance. Require compensation for loss of agricultural land. Establish appropriate mitigation ratios for the program or utilize a graduated mitigation mechanism. The mitigation ratio shall be a minimum of 1.5:1 (1.5 acres of farmland protected through mitigation for each acre of farmland converted). The program shall not present regulatory barriers to agritourism, agricultural services, and agricultural processing in regions and within land use designations where such uses are permitted and encouraged. The program shall also establish mitigation within the same agricultural region as the proposed development project, or within the Agricultural Reserve Overlay district, as a preferred strategy. The program shall incorporate a fee option, and shall provide an exemption for farmworker housing. Mitigation lands shall be of similar agricultural quality to the lands being converted.	AG.P-4, RS.P-62	Department of Resource Management	General Fund	Ordinance adopted by 2010; Implementation ongoing
AG.I-2: Adopt ordinances and policies to support development of an Agricultural Reserve Overlay district. Include lands with highest agricultural value, based on soil classifications, irrigation, and surrounding uses. Work with local farmers and ranchers to generate support for using the overlay district as a receiving area for the farmland conversion mitigation program.	AG.P-5, RS.P-62	Department of Resource Management	General Fund	Mitigation program and ordinance adopted by 2010; Zoning code updated by 2012; Implementation ongoing
AG.I-3: Study, and if feasible establish, a program to provide seasonal farmworkers with mobile housing that could be located on any specific parcel during the cultivation and harvest periods. Establish regulations and an inspection process (or coordinate inspections with the state Department of Housing and Community	AG.P-11	Department of Resource Management; UC Davis Cooperative Extension	General Fund	Ongoing

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Development) that ensure the health, safety, and welfare of agricultural employees. Additionally, support development of low- and very-low-income housing on agricultural lands, if criteria in policy AG.P-33 are met.				
AG.I-4: Revise the agricultural zoning districts and other relevant sections of the County codes to facilitate agricultural processing facilities and uses by region. Establish an incentive program to encourage development of local processing capacity to serve local and regional markets. The zoning ordinance and other relevant sections of the County code shall permit the establishment of limited agricultural support services in areas designated as Limited Industrial and Agriculture. Remove barriers to agricultural development by streamlining the permitting process for agriculture-supporting uses, including, but not limited to, barns, farm stands, and agricultural processing plants. Consider creating a separate permitting fee structure for these types of projects to promote investment in agricultural improvements. The updated Zoning Ordinance shall include provisions for incidental recreational use of lands designated for agriculture.	LU.P-32, AG.P-5, AG.P-14, AG.P-15, AG.P-20, AG.P-24	Department of Resource Management; Agricultural Commissioner	General Fund	Code updates completed by 2012; Implementation ongoing
AG.I-5: Work with cities to establish appropriate urban-agricultural buffers where new residential uses within municipal service areas may conflict with agricultural uses. Urban-agricultural buffers shall be an appropriate size to meet desired objectives, but in no case less than 300 feet in width. The buffer should occur on developing parcels located within municipal service areas to the extent feasible; be managed by the landowner, developer, homeowner's association, or a special purpose district; and favor protection of the maximum amount of farmable land.	AG.P-16, RS.P-70	Department of Resource Management	Development fees	Ongoing
AG.I-6: Commission a study of County agricultural and land use regulations and their implementation with the intent of minimizing the regulatory obstacles to value-added opportunities for local agriculture. In addition to examining the substance of regulations and relevant county fees, the study should: ► examine their administration, seeking ways to make the application and review process more efficient, economical, and less time consuming;	AG.P-13, AG.P-14	Department of Resource Management; Agricultural Commissioner; UC Davis Cooperative Extension	Grant funds; General Fund	Study completed by 2015

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<ul style="list-style-type: none"> ▶ examine how the burdens of state- and federal-originated requirements can be modified in their local implementation; and ▶ examine ways the County can more proactively participate in the formulation and development of new state and federal regulations affecting agriculture, particularly Agricultural Enterprise Zones, water quality regulations, and water transfers from agricultural to urban use. 				
<i>Funding, Physical Improvements, and Capital Projects</i>				
AG.I-7: Provide incentives for landowners to participate in the Williamson Act and Farmland Security Zone programs, including subsidy of application filling fees and assistance with the application process. Develop a conservation plan aimed at consolidating agricultural preserves and Williamson Act contracts to maintain large parcel sizes needed for productive agriculture. Ensure that agricultural parcels are maintained at a minimum parcel size sufficient to remain a farmable unit. Pursue grant funds under the provisions of the California Farmland Conservancy Program to assist with implementation of this and other measures contained in this chapter.	AG.P-1, AG.P-5	Department of Resource Management; Agricultural Commissioner; UC Davis Cooperative Extension	Grant funds; General Fund	Williamson Act Conservation Plan completed by 2010; Implementation ongoing
AG.I-8: In coordination with programs in the Transportation and Circulation chapter, create a comprehensive plan for roadway improvements to support agricultural needs. The plan shall include increased connectivity across I-80 for farmers and their equipment, turnouts on agricultural roads, and grading/paving of unimproved roads. The plan shall also provide strategies to reduce automobile and bicycle conflicts with agricultural operations throughout the county. Recommendations shall be integrated into County transportation plans, recreation plans, and capital improvement programs. Partner with cities and the Solano Transportation Authority to address funding strategies for planned facilities.	AG.P-17, TC.P-26	Department of Resource Management; Solano Transportation Authority	Grant funds; General Fund	Comprehensive Transportation Plan completed by 2015; Implementation ongoing
AG.I-9: Investigate funding sources to facilitate increased enforcement of dumping regulations, removal of illegally dumped materials, and public education on this topic.	AG.P-22	Department of Resource Management	General Fund	Ongoing
<i>Development Review</i>				

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AG.I-10: Focus preservation efforts, including use of Williamson Act contracts and conservation easements, in areas where agriculture is to be the predominant land use. Maintain large minimum parcel sizes in these regions, and discourage rezoning that would negatively affect farming operations. Recognize that agriculture is to be the predominant land use in the Dixon Ridge, Elmira and Maine Prairie, Montezuma Hills, Ryer Island, and Winters regions. Support long-term viability of commercial agriculture and discourage inappropriate development of agricultural lands within the Delta.	AG.P-3, AG.P-18, AG.P-28	Department of Resource Management	Development fees; General Fund	Ongoing
AG.I-11: Do not require design review for barns and similar agricultural support structures unless design review is mandated by a local community plan, such as a specific plan, design guidelines, zoning, or a city's general plan.	AG.P-14	Department of Resource Management	Development fees	Ongoing
AG.I-12: Update the Zoning Ordinance and Subdivision Ordinance to incorporate standards and guidelines for the placement of residential uses on agricultural land. These may include: <ul style="list-style-type: none"> ▶ limiting the size of the homesite portion of a parcel to maximize the land available for commercial agriculture, ▶ locating the homesite at the corner or other appropriate location on the parcel to support other agricultural operations, and ▶ requiring the purchaser to show how the property can still be used for agricultural production and supporting activities. 	AG.P-11	Department of Resource Management	General Fund	Zoning Code and Subdivision Ordinance updates completed by 2012; Implementation ongoing
AG.I-13: Support recreation and open space activities that are complementary and secondary to agricultural activities on the land. Encourage agriculturalists to incorporate compatible recreational and educational activities that provide visitor-oriented opportunities into agricultural land in appropriate areas, minimizing the adverse impact on agriculture.	AG.P-23, RS.P-46, RS.P-47	Department of Resource Management	Development fees	Ongoing
AG.I-14: Implement the Orderly Growth Initiative by: <ul style="list-style-type: none"> ▶ defining the parcel size of Agriculture-designated lands as presented in Table AG-3, ▶ limiting redesignation of Agriculture-designated lands to a more intensive agricultural designation or residential 	AG.P-31, AG.P-32, AG.P-33, AG.P-34, AG.P-35, AG.P-36	Department of Resource Management	General Fund	Ongoing

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<p>designation as defined in policies AG.P-30 and AG.P-31,</p> <ul style="list-style-type: none"> ▶ redesignating Agriculture-designated lands to Park and Recreation only for public uses and only if the uses permitted will not interfere with or be in conflict with agricultural operations, ▶ redesignating Agriculture-designated lands to Watershed or Marsh if appropriate, and ▶ ensuring that lands designated Watershed will have maximum permitted residential densities as defined in policy AG.P-34. 				
<i>Ongoing Planning Efforts, Public Outreach, and Education</i>				
AG.I-15: Investigate methods to change state and federal tax and fee structures and to promote beneficial use of agricultural byproducts through changes to state legislation.	AG.P-13	Agricultural Commissioner; Board of Supervisors; Department of Resource Management; UC Davis Cooperative Extension	General Fund; Grant funds	Ongoing
AG.I-16: Develop marketing/ombudsman and planning functions that facilitate and promote agriculture in the county	AG.P-12, AG.P-26, AG.P-27	Department of Resource Management; Agricultural Commissioner	General Fund	Complete by 2009

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<p>AG.I-17: Develop strategic marketing and economic plans for each of the 10 agricultural regions. These plans should address the regions' specific needs and potential opportunities for agricultural economic growth, the marketing efforts the region wants to accomplish, and what help the County can provide. Specific growth areas include creation of a Solano County-grown identity and support for value-added production. This should be achieved through policies and action steps/programs.</p> <p>Develop locally led and individual marketing strategies for the unique and distinct agricultural regions based on local crop production and agricultural assets that allow the regions to develop independently of one another.</p> <p>Recognizing the diversity in individual regions, support agriculture-related uses, such as agri-tourism development, processing plants, and some commercial uses in regions with unique agriculture (e.g., Suisun, Pleasant, Vaca, and Lagoon). Allow value-added production facilities and agriculture-related niche activities, such as bed and breakfasts at local wineries.</p>	AG.P-27, AG.P-29, AG.P-30, RS.P-39	Department of Resource Management; Agricultural Commissioner; UC Davis Cooperative Extension	General Fund; Grant funds	All regional strategic plans completed by 2018; Implementation ongoing
<p>AG.I-18: Establish programs to preserve farmland, and encourage eligible property owners to participate in a County-led preserve program. Programs such as those listed below shall encourage maximum flexibility for agricultural operations:</p> <ul style="list-style-type: none"> ▶ A farmland conservancy program. Protect agricultural lands by purchasing development rights and conservation easements from willing sellers, and offer conservation easements or other innovative programs. Coordinate efforts with conservation organizations and other municipalities and agencies. The program shall incorporate a mechanism or strategy to provide just compensation for participating landowners and to prevent degraded agricultural property values. Proposed agricultural preserves shall avoid current and future roadway and transportation corridor alignments. ▶ A voluntary transfer of development rights program in combination with the Agricultural Reserve Overlay. This program shall establish requirements and procedures for transfer of development rights from areas in the Agricultural Reserve Overlay to specified receiving areas. Receiving areas 	AG.P-3, AG.P-4, AG.P-6, AG.P-7	Department of Resource Management; Agricultural Commissioner; UC Davis Cooperative Extension	General Fund; Grant funds; Development fees	Ongoing

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Implementation Program	Related Policies	Agency/Department	Funding Source	Time Frame
<p>may be identified within a city through a joint powers agreement.</p> <ul style="list-style-type: none"> ▶ A Farmland Security Zone program (Super Williamson Act). This program, in tandem with others in this section, will encourage the consolidation of the fragmented pattern of agricultural preserves and Williamson Act contracts, and the retention of these contracts in agricultural, watershed, and marshland areas. ▶ Prepare a public information brochure for distribution to the agricultural community to increase awareness of the benefits of participating in these programs. 				
AG.I-19: Educate real estate professionals, county staff who enforce the ordinance, and prospective homeowners of dwellings or property close to agricultural activities regarding the protection from a nuisance action provided by the right-to-farm ordinance. Ensure that residential development is compatible with surrounding agricultural activities, including with the use of urban-agricultural buffers.	AG.P-2, AG.P-16	Department of Resource Management; Agricultural Commissioner; County Counsel	General Fund	Ongoing
AG.I-20: Create a small-scale, value-added agricultural committee, composed of successful small-scale producers, to advise county government on pertinent land use, permitting, and other issues.	AG.P-14	Agricultural Commissioner; Board of Supervisors; Agricultural Advisory Committee; UC Davis Cooperative Extension	General Fund	Committee established by 2010
AG.I-21: Promote and assist farmer and rancher participation in federal and state voluntary incentive programs aimed at improving wildlife habitat, wetlands, and environmental quality (e.g., Natural Resources Conservation Service Wildlife Habitat Incentives Program, Wetlands Reserve Program, Environmental Quality Incentives Program) Concentrate efforts in areas where the Agricultural Reserve Overlay and Resource Conservation Overlay coincide.	AG.P-25, RS.P-62	Agricultural Commissioner; Department of Resource Management	Grant funds	Ongoing
AG.I-22: Promote sustainable agricultural activities and practices that support and enhance the natural environment. These activities should minimize impacts on soil quality and erosion potential, water quantity and quality, energy use, air quality, and natural habitats.	AG.P-19, AG.P-20	Department of Resource Management; Agricultural Commissioner	General Fund	Climate Action Plan completed by 2010.

Solano County General Plan Implementation Programs				
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Sustainable agricultural practices should be addressed in the County's proposed Climate Action Plan to address climate change effects.				
<i>Coordination with Other Agencies and Organizations</i>				
AG.I-23: Work with the Solano County Water Agency, irrigation districts, reclamation districts, adjacent counties and the resource conservation districts to ensure adequate future water supply and delivery. Examine agricultural trends in surrounding communities and cooperate with adjacent counties in marketing and agricultural preservation practices. Review development proposals and require necessary studies, as appropriate, and water conservation and mitigation measures to ensure adequate water service. Examine the potential impact of water transfers from farmland to urban uses internal or external to the county and the implications for agriculture in the county. Create educational programs for farmers and ranchers that teach efficient water resource management. Explore options for expanding the county's irrigated areas. Working with the Solano County Water Agency, irrigation districts, reclamation districts, and the resource conservation districts, promote sustainable management and efficient use of agricultural water resources.	AG.P-8, AG.P-9, AG.P-10, PF.P-13, RS.P-76	Department of Resource Management; Agricultural Commissioner	General Fund, Grant funds	Ongoing
Resources				
<i>Biological Resources—Regulations</i>				
RS.I-1: Establish a resource mitigation overlay district within the zoning ordinance to site and permit mitigation banks. The ordinance should include incentives to focus mitigation banks within the Resource Conservation Overlay areas.	RS.P-1, RS.P-3	Department of Resource Management	General Fund	By 2011
RS.I-2: Use the Resource Conservation Overlay on the Land Use Diagram to identify areas of the county with high-priority needs for biological resource management. Areas covered by the Resource Conservation Overlay are intended to provide options to establish mitigation banks for biological impacts generated outside the overlay district. Land use designations within the Resource Conservation Overlay are restricted to Agriculture, Marsh, Watershed, and Park and Recreation. The Resource Conservation Overlay shall be located within important biological or physical areas and habitats identified by the HCP and deemed suitable by	RS.P-1, RS.P-3	Department of Resource Management	General Fund	Ongoing

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<p>the Solano County Board of Supervisors. Areas contained within the Resource Conservation Overlay include high-priority resources defined in Figure RS-1 or subsequent updates.</p> <p>The Resource Conservation Overlay contains the following resources:</p> <ul style="list-style-type: none"> ▶ California red-legged frog critical habitat and core recovery areas ▶ Callippe butterfly priority conservation areas ▶ Giant garter snake priority conservation areas ▶ Priority habitat corridors ▶ Vernal pool conservation areas ▶ Suisun Marsh Protection Plan primary management zone <p>Update the zoning ordinance to incorporate provisions of the Resource Conservation Overlay.</p>				
<p>RS.I-3: Develop and adopt an ordinance to protect oak woodlands as defined in Senate Bill (SB) 1334 and heritage oak trees.</p> <p>Define heritage trees as the following: (a) trees with a trunk diameter of 15 inches or more measured at 54 inches above natural grade, (b) any oak tree native to California, with a diameter of 10 inches above natural grade, or (c) any tree or group of trees specifically designated by the County for protection because of its historical significance, special character or community benefit. As regards heritage oak trees, this ordinance should include:</p> <ul style="list-style-type: none"> ▶ rules regarding the removal, pruning, or disturbance of the critical root zone of a heritage tree; ▶ replacement ratio for healthy tree removal; and ▶ enforcement mechanisms for unlawful removal of trees. <p>As regards oak woodlands, the ordinance should include:</p> <ul style="list-style-type: none"> ▶ lists of targeted tree species and age classes; ▶ guidance to minimize the fragmentation of oak woodlands and provide linkages and corridors between stands; and ▶ requirements for the preparation of oak woodland management plans, which will be required for all development, agricultural 	RS.P-1, RS.P-2, RS.P-6	Department of Resource Management	General Fund	By 2011

Solano County General Plan Implementation Programs				
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uses (including grazing), and timber/fire wood collection within the county's oak woodlands.				
RS.I-4: Develop a program and ordinance to allow voluntary transfers of development rights from a property or properties located within a targeted resource area to a property or properties within designated receiving areas (areas more appropriate for development) where similar resource conflicts would not occur. Transfers of development rights would be possible on a voluntary basis from any designated sending area within the Resource Conservation Overlay. This program should be developed in coordination with similar programs in the Agriculture and Land Use chapters; Program AG.I-18 and Program SS.I-1.	RS.P-1, RS.P-3	Department of Resource Management	General Fund	Ongoing
<i>Biological Resources—Funding, Physical Improvements, and Capital Projects</i>				
RS.I-5: Develop a roadside tree program to plant and maintain native trees along road right-of-ways. Encourage private groups, nonprofits, and individuals to participate in native tree planting efforts through donations of time, trees, or funding.	RS.P-6	Department of Resource Management	General Fund; Volunteers; Nonprofits	By 2011
<i>Biological Resources—Development Review</i>				
RS.I-6: Require all discretionary development proposals (with the exception of agricultural uses) within the Resource Conservation Overlay to submit an assessment that evaluates site conditions and potential project-related impacts on the targeted resource(s) of concern. The site assessment shall be prepared by a qualified professional approved by Solano County. The assessment shall be paid for by the applicant. The assessment will be used to (1) determine if the project will create negative impacts on the viability of the targeted resource and (2) determine the appropriate measures to avoid or mitigate such impacts.	RS.P-1, RS.P-3	Department of Resource Management	Project Applicant	Ongoing
RS.I-7: Require certain findings by the Board of Supervisors to allow General Plan Amendments within the Resource Conservation Overlay that redesignate land from the Agriculture, Marsh, Watershed, or Park and Recreation designations to a use other than those listed above. To approve such redesignation, the Board of Supervisors must make one or more of the following findings:	RS.P-1, RS.P-3	Department of Resource Management	General Fund	Ongoing

Solano County General Plan Implementation Programs				
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<ul style="list-style-type: none"> ▶ the site conditions (vegetation types, soils, topography) are not suitable as habitat for the target resource(s) identified in the Resource Conservation Overlay; ▶ the characteristics and size of the subject property make it unsuitable for conservation of the target resource; or ▶ no other lands with the requested land use classification are available for the proposed project. 				
RS.I-8: Require the planting of shade and roadside trees in development projects for aesthetic, air quality, and other associated benefits. Encourage the use of native tree species, especially native oaks. Create development standards to ensure appropriate placement, care, and maintenance. The County shall evaluate the feasibility of planting of roadside trees as part of major County road improvement projects.	RS.P-6	Department of Resource Management	General Fund	Ongoing
<i>Biological Resources—Ongoing Planning Efforts, Public Outreach and Education</i>				
RS.I-9: Together with DFG, USFWS, Solano Water Agency and other agencies, determine and map critical wildlife movement and habitat corridors and riparian buffer areas. Ensure that the areas are sufficient in size to maintain landscape ecological functions and viable populations. Add the mapped critical corridors to the Resource Conservation Overlay.	RS.P-5	Department of Resource Management	General Fund	Ongoing
<i>Biological Resources—Coordination with Other Agencies and Organizations</i>				
RS.I-10: Develop an agricultural riparian incentive program that encourages farmers and ranchers and other landowners to maintain or create riparian habitat along streams, creeks, canals, and wetlands. Collaborate with other agencies and organizations (Including, but not limited to Solano Land Trust, RCD, Department of Fish and Game, Central Valley Regional Water Quality Control Board (RWQCB), Farm Bureau, Bay Delta Authority, Ducks Unlimited, Sierra Club, Audubon Society) to develop funding mechanisms, including grant funds, to support long-term riparian conservation and restoration efforts. The program should fund wildlife-compatible fencing of sensitive riparian areas. The program should also develop strategies to pay farmers and ranchers for habitat protection. Strategies could	RS.P-1	Department of Resource Management	General Fund, Grant funds	Ongoing

Solano County General Plan Implementation Programs				
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include payment for ecosystems services provided, purchase of conservation easements, or fee simple purchase of riparian areas.				
RS.I-11: Together with landowners, land trusts, and agencies, explore habitat preservation alternatives, such as: <ul style="list-style-type: none"> ▶ voluntary acquisition of development rights or conservation easements, ▶ developing mitigation banks, especially within Resource Conservation Overlay areas; ▶ providing outreach to landowners within the Resource Conservation Overlay regarding benefits of conservation easements; ▶ promoting agricultural practices compatible with habitat protection, ▶ allowing income-generating uses on agricultural lands that can support farmers who protect habitat lands, and ▶ promoting eco-tourism to generate revenues to support habitat protection and keep agriculture viable. 	RS.P-1, RS.P-2, RS.P-3, RS.P-4	Department of Resource Management; Solano County Water Agency; Resource Conservation Districts	General Fund, Grant funds	Ongoing
<i>Marsh and Delta Areas—Regulations</i>				
RS.I-12: Review and update the Solano County component of the Suisun Marsh Local Protection Program in coordination with the San Francisco Bay Conservation and Development Commission. The guidelines and standards identified in current policies should be incorporated into the County zoning ordinance and development guidelines. The update will address General Plan policies and other policies, programs and regulations within the Local Protection Program.	RS.P-10 to RS.P-19, RS.P-57, RS.P-58	Department of Resource Management	General Fund	2011
RS.I-13: Incorporate wind turbine guidelines, addressing development of wind turbines in the Suisun Marsh, into the County code and development guidelines. Wind turbines were not addressed in the Suisun Marsh Protection Plan.	RS.P-14	Department of Resource Management	General Fund	Ongoing
<i>Marsh and Delta Areas—Ongoing Planning Efforts, Public Outreach and Education</i>				
RS.I-14: Promote seasonal flooding and agricultural practices on agricultural lands in cooperation with landowners to maximize	RS.P-8, RS.P-22	Department of Resource Management	General Fund	Ongoing

Solano County General Plan Implementation Programs				
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wildlife use of lands in the Delta. Explore incentive programs to encourage land owner participation.				
<i>Marsh and Delta Areas—Coordination with Other Agencies and Organizations</i>				
RS.I-15: Coordinate with existing plans and programs regarding the San Francisco Bay, Sacramento River, Sacramento–San Joaquin Delta, and adjacent marsh areas including: <ul style="list-style-type: none"> ▶ the Suisun Marsh Protection Plan, ▶ the Napa Sonoma Marsh Restoration Project, ▶ the CALFED Bay-Delta Protection Program, and ▶ White Slough Specific Plan – Complete the exchange of land between the City of Vallejo and the County through the annexation and deannexation of lands as set forth in the White Slough Specific Plan and change land use designations as called for in the White Slough Specific Plan. 	RS.P-7 to RS.P-32	Department of Resource Management	General Fund	Ongoing
<i>Minerals—Regulations</i>				
RS.I-16: Designate land uses in mineral areas appropriately to ensure compatibility between mineral extraction and surrounding uses.	RS.P-33	Department of Resource Management	General Fund	Ongoing
<i>Minerals—Development Review</i>				
RS.I-17: Evaluate impacts related to extracting mineral resources from new areas as part of the required permitting process to ensure that remediation occurs after minerals are extracted. Comply with regulations found in the Surface Mining and Reclamation Act.	RS.P-34	Department of Resource Management	Project Applicant	Ongoing
RS.I-18: Create a mechanism by which owners of lands designated as containing important mineral resources can demonstrate to the County that mineral resources are not present, or are not economically feasible, and amend the designation.	RS.P-33	Department of Resource Management	General Fund	Ongoing
<i>Minerals—Ongoing Planning Efforts, Public Outreach and Education</i>				
RS.I-19: Remain aware of studies that may reveal the presence of additional, economically viable sources of mineral resources in the County.	RS.P-33	Department of Resource Management	General Fund	Ongoing

Solano County General Plan Implementation Programs				
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<i>Scenic Resources—Regulations</i>				
RS.I-20: Amend the zoning ordinance to:	RS.P-35	Department of Resource Management	General Fund	Ongoing
<ul style="list-style-type: none"> ▶ Include the area, policies and programs of the Tri-City and County Cooperative Plan for Agriculture and Open Space Preservation. ▶ Regulate construction on steep slopes. This would include slope/density provisions that reduce allowable density based on the steepness of slopes. ▶ Direct the use of lighting fixtures that reduce glare and light pollution. The ordinance should provide standards for the type and location of lighting fixtures in development projects. ▶ Regulate construction on ridge lines. 				
RS.I-21: Preserve the visual character of scenic roadways as shown in Figure RS-5 through design review, designating alternate routes for faster traffic, regulating off-site advertising, limiting grading in the view corridor through the grading ordinance, limiting travel speeds, and providing pullover areas with trash and recycling receptacles.	RS.P-37	Department of Resource Management	General Fund	Ongoing
<i>Cultural Resources—Development Review</i>				
RS.I-22: In new developments, require the use of fixtures that direct light toward target areas and shield it from spillage.	RS.P-36	Department of Resource Management	Project Applicant	Ongoing
<i>Cultural Resources—Ongoing Planning Efforts, Public Outreach and Education</i>				
RS.I-23: Provide education on light pollution and how individuals and development proposals may decrease impacts.	RS.P-36	Department of Resource Management	General Fund	Ongoing
<i>Cultural Resources—Coordination with Other Agencies and Organizations</i>				
RS.I-24: Promote continued interjurisdictional cooperation and coordination of resource and land use planning of the Cooperative Planning Area through the continued operation of the Tri-City and County Cooperative Planning Group.	RS.P-35	Department of Resource Management	General Fund	Ongoing
<i>Cultural Resources—Development Review</i>				
RS.I-25: Require cultural resources inventories of all new development projects in areas identified with medium or high	RS.P-38, RS.P-40	Department of Resource Management	Project Applicant	Ongoing

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<p>potential for archeological or cultural resources. Where a preliminary site survey finds medium to high potential for substantial archaeological remains, the County shall require a mitigation plan to protect the resource before issuance of permits. Mitigation may include:</p> <ul style="list-style-type: none"> ▶ Having a qualified archaeologist present during initial grading or trenching (monitoring); ▶ Redesign of the project to avoid archaeological resources (this is considered the strongest tool for preserving archaeological resources); ▶ Capping the site with a layer of fill; and/or ▶ Excavation and removal of the archaeological resources and curation in an appropriate facility under the direction of a qualified archaeologist. ▶ Alert applicants for permits within early settlement areas to the potential sensitivity. If significant archaeological resources are discovered during construction or grading activities, such activities shall cease in the immediate area of the find until a qualified archaeologist can determine the significance of the resource and recommend alternative mitigation. 				
<i>Cultural Resources—Coordination with Other Agencies and Organizations</i>				
RS.I-26: Work with federal and state agencies to identify, evaluate, and protect the County's important historic and prehistoric resources. Programs administered by such agencies may include:	RS.P-38, RS.P-40	Department of Resource Management	Project Applicant	Ongoing
<ul style="list-style-type: none"> ▶ California Historic Landmarks ▶ California Points of Historical Interest ▶ California Register of Historic Resources ▶ National Register of Historic Places ▶ State Historic Building Code 				
<i>Cultural Resources—Ongoing Planning Efforts, Public Outreach and Education</i>				
RS.I-27: Refer to the state Senate Bill 18 guidelines and requirements regarding cultural resources. Programs the County will engage in may include:	RS.P-40	Department of Resource Management	General Fund	Ongoing

Solano County General Plan Implementation Programs				
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<ul style="list-style-type: none"> ▶ ensuring local and Native American governments are provided with information early in the planning process, ▶ working with Native American governments to preserve and protect Native American cultural sites by designating them as open space where possible, ▶ providing management and treatment plans to preserve cultural places, and ▶ working with Native American groups to manage their cultural places. 				
RS.I-28: Protect and promote the County's historic and prehistoric resources by: <ul style="list-style-type: none"> ▶ providing educational programs to the public, staff, and commissions that promote awareness of the County's history and the value in preserving historic or prehistoric resources; and ▶ exploring and developing historic or prehistoric sites that can be used appropriately as visitor-oriented destinations. 	RS.P-38	Department of Resource Management	General Fund	Ongoing
RS.I-29: Develop historic preservation programs and development guidelines to prevent the loss of significant historic buildings and structures. This should be done in conjunction with Program SS.I-16.	RS.P-38	Department of Resource Management	General Fund	Ongoing
<i>Recreational Resources—Funding, Physical Improvements, and Capital Projects</i>				
RS.I-30: Acquire land within Suisun Marsh to provide for increased public duck hunting and additional refuge areas for waterfowl during the hunting season. Prioritize acquisition of those lands not now operated as managed wetlands.	RS.P-48	Department of Resource Management	Grant funds	Ongoing
RS.I-31: Seek funding to purchase land for public recreation and access to Suisun Marsh for such uses as fishing, boat launching, nature study, and for scientific and educational uses. These areas should be located on the outer portions of Suisun Marsh near the population centers and easily accessible from existing roads. Improvements for public use should be consistent with protection of wildlife resources.	RS.P-48	Department of Resource Management	General Fund	Ongoing

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RS.I-32: Provide and encourage signage on roads leading into Suisun Marsh and maintained litter receptacles at major public use areas to prevent littering and vandalism of public and private property.	RS.P-48	Department of Resource Management	General Fund	Ongoing
<i>Recreational Resources—Ongoing Planning Efforts, Public Outreach and Education</i>				
RS.I-33: Review and consider recommendations under the Solano Open Space Implementation Strategy, in coordination with the Solano County Land Trust	RS.P-41, RS.P-42, RS.P-43, RS.P-44, RS.P-45, RS.P-46, RS.P-47, RS.P-48	Department of Resource Management	General Fund	Ongoing
RS.I-34: Look for successful examples of regional recreation planning or regional facilities and use those examples to influence future efforts. Such examples could include: <ul style="list-style-type: none"> ▶ Tri-City and County Cooperative Plan for Agriculture and Open Space Preservation; ▶ Green Valley Bike Path—a popular trail in Solano County; ▶ Sonoma County Agricultural and Open Space Preservation District—a countywide open space district using a variety of tools to acquire land that is used as open space for a variety of reasons, including recreation; and ▶ Marin County Open Space District—a countywide open space district using a variety of tools to acquire land that is used as open space for a variety of reasons, including recreation. ▶ East Bay Regional Park District 	RS.P-41, RS.P-43	Department of Resource Management	General Fund	Ongoing
RS.I-35: Monitor levels of use in the Suisun Marsh to ensure that use intensity is compatible with other recreation activities and with protection of the Suisun Marsh environment.	RS.P-48	Department of General Services; State Department of Fish and Game; Suisun Resource Conservation District; Bay Conservation and Development Commission	General Fund	Ongoing
<i>Recreational Resources—Coordination with Other Agencies and Organizations</i>				
RS.I-36: Coordinate with cities, regional organizations, and neighboring counties to prepare a countywide trails plan to complete countywide and regional trail systems. These include	RS.P-41, RS.P-42, RS.P-44, RS.P-45, TC.P-25	Department of Resource Management; Department of General Services	General Fund	Ongoing

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pedestrian, bike, and equestrian trails; the regional Bay Area Ridge Trail; and Bay Trail.				
<i>Energy Resources and Conservation—Regulations</i>				
RS.I-37: Amend and maintain the zoning ordinance to guide the siting of commercial, nonaccessory wind turbine installations. Include the following standards into the ordinance: <ul style="list-style-type: none"> ▶ Require a minimum setback of 1,000 feet or three times total turbine height, whichever is greater, from a dwelling unit, residential building site, or land zoned for residential uses. ▶ Require a minimum setback of three times total turbine height from any zoning district (other than residential) which does not allow wind turbines. ▶ Require a minimum setback of three times total turbine height from any property line, public roadway, transmission facility, or railroad. This minimum setback may be waived in the case of wind farms located on adjacent parcels, provided an agreement has been reached between the neighboring property owners. ▶ Require a setback of 1/4 mile from the right-of-way of any scenic roadway. ▶ In the Cordelia Hills, wind energy development shall be set back to those areas which are beyond the sight of existing residential neighborhoods and areas planned for residential development, and set back to areas beyond view from I-80 and I-680. No turbine shall be sited within this zone. ▶ Define noncommercial wind energy generators as “wind-driven machines” that convert wind energy into production of electrical power for the primary purpose of on-site use and not for resale, that are 100 feet or less in height, and that have a total rated power output of 100 kilowatts or less. ▶ Establish a procedure for plan check and testing of wind electric generators prior to use permit or building permit approval. Certification of all detailed plans for electrical systems, electrical substations, support towers, and foundations by California licensed professional engineers shall be required. Performance testing of wind turbine generators shall be 	RS.P-22, RS.P-37	Department of Resource Management	General Fund	By 2011

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<p>required to ensure against catastrophic failure.</p> <ul style="list-style-type: none"> ▶ Include commercial wind turbine development as a permitted use in the following zone districts: <ul style="list-style-type: none"> — Exclusive Agricultural (A) — Limited Agricultural (A-L) — Water-Dependent Industrial (r-WD) — Limited Manufacturing (M-L) — General Manufacturing (M-G) — Watershed and Conservation (W) ▶ Non-commercial wind energy development shall be allowed in districts as currently provided for in the ordinance. 				
RS.I-38: Require all new and remodeled residential, commercial, industrial, institutional, and civic construction to exceed current (2008) Title 24 state energy-efficiency requirements by at least 20%, and require that all new residential homes and major renovations comply with the guidelines for the California Energy Star Homes Program. If the state increases the requirements of Title 24, examine the feasibility of increasing County energy efficiency requirements. Adopt an energy efficiency ordinance that requires upgrades as a condition of issuing permits for substantial remodels or additions. Require disclosure of the energy consumption of a home during the sale or lease of a residence or building.	PF.P-3 RS.P-49, RS.P-50, RS.P-51, RS.P-52, RS.P-54, RS.P-56	Department of Resource Management	General Fund	By 2011
RS.I-39: Restrict construction and drilling in tidal marsh and managed wetland areas to occur only during the dry months of the years to ensure these activities will not disturb wintering waterfowl.	RS.P-57, RS.P-58	Department of Resource Management	General Fund	Ongoing
<i>Energy Resources and Conservation—Funding, Physical Improvements, and Capital Projects</i>				
RS.I-40: Require all County operations to use renewable energy for 50% or more of their energy needs.	RS.P-51, RS.P-57	Department of Resource Management	General Fund	Ongoing
RS.I-41: Require that all new County buildings and major renovations and additions achieve LEED certification or meet equivalent performance standards. A LEED Silver certification level and reduced operational costs are preferred outcomes.	RS.P-49, RS.P-50, RS.P-51, RS.P-52, RS.P-54, RS.P-56	Department of General Services	General Fund	Ongoing

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RS.I-42: Replace existing County vehicles with alternative fuel vehicles such as electric, hybrids, natural gas, and fuel cell powered vehicles. New County vehicles must be alternative fuel vehicles.	RS.P-49, RS.P-50, RS.P-51, RS.P-52, RS.P-54, RS.P-56	Department of General Services	General Fund	Ongoing
RS.I-43: Seal abandoned gas wells in accordance with Division of Oil and Gas regulations. Remove the drilling or production facilities and revegetate the surface area with native vegetation within one growing season after abandonment.	RS.P-55	Department of Resource Management	Project Applicants	Ongoing
RS.I-44: Partner with community services agencies to fund energy efficiency projects, including heating, ventilation, air conditioning, lighting, water heating equipment, insulation, and weatherization for low-income residents.	RS.P-49, RS.P-50, RS.P-59	Department of Resource Management	General Fund; Community services agencies	Ongoing
RS.I-45: Execute an Energy Savings Performance Contract with a private entity to retrofit public buildings. This type of contract allows the private entity to fund all energy improvements in exchange for a share of the energy savings over a period of time.	RS.P-49, RS.P-51, RS.P-59	Department of Resource Management	General Fund	Ongoing
RS.I-46: Require residential development of more than six units to participate in the California Energy Commission's New Solar Homes Partnership and to construct LEED-certified units or meet equivalent performance standards. For new affordable housing projects, performance standards shall be established pursuant to the requirements of the funding source(s). Require new construction or major renovation of commercial and industrial buildings over 10,000 square feet in size to incorporate renewable energy generation to provide the maximum feasible amount of the project's energy needs. Commercial buildings shall incorporate renewable energy generation to provide at least 20% of the project's needs.	RS.P-50, RS.P-59	Department of Resource Management	Project Applicants	Ongoing
RS.I-47: Require the use of Energy Star rated appliances and the most energy-efficient Energy Star rated water heaters and air conditioning systems that are feasible in the construction of new homes, in all substantial remodels when appliances are being replaced, and in any case where a permit is needed to install or replace appliances (e.g., water heaters, air conditioning).	RS.P-49	Department of Resource Management	Project Applicants	Ongoing
RS.I-48: Require all commercial, institutional, and industrial development to reduce potential urban heat island effect by using	RS.P-49	Department of Resource	Project Applicants	By 2011

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U.S. EPA-Energy Star rated roofing materials and light colored paint, using light colored paving materials for internal roads and parking, and using shade trees to shade south and west sides of new or renovated buildings and to achieve a minimum of 50% shading for all parking lots surfaces. Continue to ensure compliance with existing state building requirements for energy-conserving roofing materials on nonresidential buildings in new construction and reroofing. Amend the County zoning ordinance to encompass these requirements.		Management		
RS.I-49: Require all off-road diesel powered vehicles used for construction to be newer model, low-emission vehicles, or use retrofit emission control devices, such as diesel oxidation catalyst and diesel particulate filters verified by the California Air Resources Board.	RS.P-54	Department of Resource Management	Project Applicants	Ongoing
RS.I-50: During review of wind turbine generator proposals, consider the following: <ul style="list-style-type: none"> ▶ Wind turbine generators shall not be located in areas that conflict with the mission of Travis Air Force Base or other air operation facilities. ▶ Commercial turbines and non-commercial turbines over 100 feet in height or with a total rated power output of more than 100 kilowatts in designated wind resource areas require a public hearing and use permit approval by the Planning Commission. ▶ Following use permit approval, building permits and grading permits are required. Non-commercial turbines 100 feet or less in height and 100 kilowatts or less in rated power output require only building permits and grading permits. ▶ Submittal requirements for use permit applications within the wind resource areas include the following: <ul style="list-style-type: none"> — Permit application — Project description form (requires information on size and characteristics of project, physical and performance specifications of equipment, transmission system, certification, project schedule and phasing, circulation, and access). 	RS.P-22, RS.P-50, RS.P-52, RS.P-53, RS.P-54, RS.P-56, RS.P-57, RS.P-58	Department of Resource Management	General Fund	Ongoing

Solano County General Plan Implementation Programs				
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<ul style="list-style-type: none"> – Acoustical analysis – Archaeological survey – Geotechnical report (must correlate to standard county requirements for geotechnical analysis) – Site plan – Elevation package (elevation drawings to scale of proposed turbines and accessory uses). – Notification of the Federal Aviation Administration of any application with wind turbines over 200 feet in height within 20,000 feet of a runway of any airport. – Notification of the utility and the California Public Utilities Commission of application filing. – Notification of application filing to microwave – communications link owners within 2 miles of the proposed installation. – Adjacent property owner's notification package. – Current aerial photographs or panoramic photographs of the site. <ul style="list-style-type: none"> ▶ Evidence of liability and workers compensation insurance. ▶ Map locating all residences within 2 miles of the proposed project. ▶ Certification of detailed plans for electrical systems and transmission lines, substation, support towers, generators, and foundations by California licensed professional engineers (electrical, civil, and structural). ▶ Performance test documentation by a licensed engineer for all proposed turbine types. ▶ Contribution to escrow account for removal of inoperable or unsafe wind equipment and associated uses, including foundations. ▶ Following review of the applicant's site plan by county planning staff, a biological assessment would be required if it is determined that sensitive biological resources identified by the Resource Conservation Overlay (Figure RS-2) could be affected by the proposed project. If the proposed wind turbine siting would fall within or near areas of sensitivity, additional 				

Solano County General Plan Implementation Programs				
Implementation Program	Related Policies	Agency/Department	Funding Source	Time Frame
<p>biological assessment of the probable impacts of the project would be required as part of the permit application. Findings of the biological assessment would determine need for biological resource monitoring and mitigation for protection of biological resources. For projects proposed in areas of low biological sensitivity, no additional biological information would be required.</p> <p>Submittal requirements for building permit and grading permit applications shall be as follows:</p> <ul style="list-style-type: none"> ▶ Completed permit application. ▶ Detailed plans and specifications for structures, foundations, electrical systems, certified by a California licensed professional engineer. Plans will be checked for compliance with such codes as the Uniform Building Code, the National Electrical Code, and applicable ANSI and IEEE standards. ▶ Grading and erosion, sediment, and runoff control plans. <p>A standard set of minimum conditions would apply to every permit approval. These conditions could be modified or added to at the discretion of Resource Management Department staff, Planning commission, or Board of Supervisors.</p> <p>Additional environmental information beyond that required for permit processing would not be required for projects proposed within the wind resource areas.</p> <p>In addition to the required safety setbacks, applicants would be required to demonstrate that the CNEL 50 influence area of proposed wind turbines would not coincide with residential areas or individual dwelling units. No turbines which exhibit high infrasonic noise generation potential would be permitted within one mile of residential uses or land zoned for residential uses.</p> <p>The zoning ordinance should require a bond or other guarantee, such as a contribution to an escrow account, for removal of inoperable or unsafe wind equipment and associated uses, including foundations, after use permit approval.</p>				
RS.I-51: Adopt a County “green building program.” Require all new and renovated commercial, office, and institutional buildings over 10,000 square feet in size to achieve LEED certification, or meet equivalent performance standards. Amend the County zoning	RS.P-49, RS.P-50, RS.P-51, RS.P-52, RS.P-54, RS.P-56	Department of Resource Management	General Fund	Ongoing

Solano County General Plan Implementation Programs				
Implementation Program	Related Policies	Agency/Department	Funding Source	Time Frame
ordinance to encompass these green building requirements. Provide permitting-related and other incentives for building projects that exceed the County's energy efficiency standards by greater than 5%.				
RS.I-52: Require that development projects use landscaping and site design techniques that minimize energy use. These may include designing landscaping to shield or expose structures to maximize energy conservation or acquisition; and taking advantage of orientation, sun-shade patterns, prevailing winds, landscaping, and sunscreens. Amend development standards to require such techniques.	RS.P-49, RS.P-50, RS.P-51, RS.P-52, RS.P-54, RS.P-56	Department of Resource Management	Project Applicant	Ongoing
RS.I-53: Review studies and reports and incorporate recommended standards and guidelines to reduce bird and bat mortality rates. These guidelines may include new technology or alternative siting of turbines. The standards and guidelines shall incorporate the California Energy Commission's Guidelines for Reducing Impacts to Birds and Bats from Wind Energy Development or any superseding guidelines and recommendations of the energy and wildlife resource agencies for wind power projects.	RS.P-50, RS.P-52, RS.P-53, RS.P-54, RS.P-56, RS.P-57, RS.P-58	Department of Resource Management	General Fund	Ongoing
RS.I-54: Provide safeguards and require compliance for the production, injection, and drilling of natural gas deposits.	RS.P-50, RS.P-55, RS.P-56, RS.P-57	Department of Resource Management	General Fund	Ongoing
RS.I-55: Require the design and orientation of all buildings to maximize passive solar heating during cool seasons, avoid solar heat gain during hot periods, enhance natural ventilation, and promote effective use of daylight. Orientation should optimize opportunities for on-site solar generation.	RS.P-49, RS.P-51, RS.P-56, RS.P-59	Department of Resource Management	General Fund	Ongoing
RS.I-56: Where feasible, include appropriate facilities in new buildings to support the use of low/zero carbon fueled vehicles. This may include charging stations for electric vehicles which use green electricity sources.	RS.P-50, RS.P-54, RS.P-59	Department of Resource Management	General Fund	Ongoing
<i>Energy Resources and Conservation—Ongoing Planning Efforts, Public Outreach and Education</i>				
RS.I-57: Investigate the feasibility of using solar (photovoltaic) streetlights instead of conventional streetlights.	RS.P-49	Department of Resource Management	General Fund	By 2011

Solano County General Plan Implementation Programs				
Implementation Program	Related Policies	Agency/Department	Funding Source	Time Frame
RS.I-58: Protect the viability of renewable energy generation within the county by protecting resources such as solar access on buildings and high value wind energy sites. Facilitate the development of renewable energy generation in the county through the provision of streamlined permitting processes.	RS.P-50, RS.P-53, RS.P-56	Department of Resource Management	General Fund	Ongoing
RS.I-59: Promote public awareness of energy conservation and efficiency through the development of a publicity program. This program shall include information describing how residents can retrofit existing homes for increased energy efficiency. Encourage the use of low-carbon and renewable fuels and zero emissions technologies.	RS.P-49, RS.P-50, RS.P-51, RS.P-52, RS.P-54, RS.P-56	Department of Resource Management	General Fund	Ongoing
RS.I-60: Conduct studies that identify methods to expand renewable energy production in the County. Methods may include incentives such as expedited permit processing, reduced fees, and technical assistance to encourage energy-efficiency technology, research and practices.	RS.P-50, RS.P-52, RS.P-53, RS.P-54, RS.P-56	Department of Resource Management; Department of General Services	General Fund	By 2011
RS.I-61: Investigate the feasibility and benefit of establishing a Community Choice Aggregation program by analyzing energy production costs and by establishing a stakeholder advisory group.	RS.P-49, RS.P-50, RS.P-51, RS.P-52, RS.P-54, RS.P-56	Department of General Services	General Fund	Ongoing
RS.I-62: Ensure that natural gas storage facilities meet all safety standards of the Division of Oil and Gas.	RS.P-55	Department of Resource Management	General Fund	Ongoing
RS.I-63: Require energy and water efficiency audits for new construction or substantial remodels of commercial, industrial, and institutional buildings. Examine existing usage and potential reductions related to heating, ventilation, air conditioning, lighting, water heater equipment, insulation, weatherization, and water usage by buildings and landscaping. Require energy and water audits of all County buildings.	RS.P-50, RS.P-54, RS.P-59	Department of Resource Management	General Fund	Ongoing
<i>Community Separators—Regulations</i>				
RS.I-64: Amend the zoning ordinance to implement the Agricultural Resource Overlay. This area is used to delineate those areas of special concern where agricultural lands are subject to the greatest development pressure. This overlay should be combined with a program to direct agricultural mitigation efforts toward these areas.	RS.P-60, RS.P-61, RS.P-63	Department of Resource Management	General Fund	Amend by 2011, Ongoing

Solano County General Plan Implementation Programs				
Implementation Program	Related Policies	Agency/Department	Funding Source	Time Frame
<i>Community Separators—Coordination with Other Agencies and Organizations</i>				
RS.I-65: Participate with cities and special districts in establishing agreements that delineate community separators. Support agreements that are already in place. Existing agreements and programs include the following: <ul style="list-style-type: none"> ▶ Tri City/County Agriculture and Open Space program ▶ Vacaville-Fairfield Greenbelt ▶ Vacaville-Dixon Greenbelt ▶ Dixon-Davis Greenbelt ▶ Vallejo-Benicia Separator 	RS.P-60	Department of Resource Management; cities	General Fund	Ongoing
<i>Water Resources and Quality—Regulations</i>				
RS.I-66: Establish development standards that maximize retention of runoff and regulate development to avoid pollution of storm water, water bodies, and groundwater.	RS.P-71, RS.P-73, RS.P-74, RS.P-75	Department of Resource Management	General Fund	By 2011
RS.I-67: Develop an ordinance that establishes a riparian buffer to protect water quality and ecosystem function. The minimum buffer width shall be determined according to existing parcel size. For parcels more than 2 acres in size, a minimum 150-foot development setback shall be provided. For parcels of 0.5–2.0 acres, a minimum 50-foot setback shall be provided. For parcels less than 0.5 acre a minimum 20-foot setback shall be provided. Exceptions to these development setbacks apply to parcels where a parcel is entirely within the riparian buffer setback or development on the parcel entirely outside of the setback is infeasible or would have greater impacts on water quality and wildlife habitat.	RS.P-68, RS.P-70, RS.P-72	Department of Resource Management	General Fund	By 2011
<i>Water Resources and Quality—Funding, Physical Improvements, and Capital Projects</i>				
RS.I-68: Seek funding opportunities for collaborative watershed planning approaches to water quantity and quality enhancement and protection, where such an approach is the desired method of accomplishing the program objectives.	RS.P-67, RS.P-68, RS.P-69, RS.P-70	Department of Resource Management	General Fund	Ongoing

Solano County General Plan Implementation Programs				
Implementation Program	Related Policies	Agency/Department	Funding Source	Time Frame
RS.I-69: Protect natural watercourses through acquisition or dedication of adjacent land in fee or less than fee title during the process of reviewing and approving land development proposals.	RS.P-65	Department of Resource Management	Project Applicant	Ongoing
RS.I-70: Require site plan elements to limit runoff from new development. These measures might include reduced pavement or site coverage, permeable pavement, vegetation that retains and filters stormwater, and/or drainage features. Limit the construction of extensive impermeable surfaces and promote the use of permeable materials for surfaces such as driveways, streets, parking lots, and sidewalks.	RS.P-73, RS.P-74, RS.P-75	Department of Resource Management	Project Applicant	Ongoing
RS.I-71: Require proposed projects located within the Putah Creek and Ulatis Creek watersheds to minimize project-related stormwater runoff and pollution. Stormwater runoff and pollution loads resulting after development of projects shall not exceed predevelopment conditions.	RS.P-1, RS.P-72	Department of Resource Management	Project Applicant	Ongoing
<i>Water Resources and Quality—Ongoing Planning Efforts, Public Outreach and Education</i>				
RS.I-72: Seek and secure funding sources for development of countywide water quality assessment, monitoring, remedial and corrective action, awareness/education programs. Provide technical assistance to minimize stormwater pollution, support RWQCB requirements, and manage related County programs. Consider future use of desalinization to supplement water supplies.	RS.P-64	Department of Resource Management; SCWA; State Water Resources Control Board; Department of Water Resources; California Department of Health Services; the California Environmental Protection Agency; the U.S. Bureau of Land Management; U.S. Bureau of Reclamation; and applicable federal, County, and city agencies	General Fund	Ongoing
RS.I-73: Develop a public education and technical assistance program that provides property owners, applicants, and the general public with information regarding stormwater pollution, efficient water use, public water supplies, water conservation and reuse, and groundwater.	RS.P-75	Department of Resource Management; Solano County Water Agency; Resource Conservation Districts	General Fund	Ongoing

Solano County General Plan Implementation Programs				
Implementation Program	Related Policies	Agency/Department	Funding Source	Time Frame
RS.I-74: Continue to require best management land use practices in the Barker Slough watershed.	RS.P-73	Department of Resource Management	General Fund	Ongoing
RS.I-75: Together with the SCWA and the cities, create and maintain a comprehensive database of information regarding groundwater supply and quality. Seek funding to complete a countywide groundwater study that fills the gaps among aquifer-specific studies. Coordinate with the SCWA to get more information on its groundwater study and subsequent groundwater management programs.	RS.P-66	Department of Resource Management; SCWA; Cities	General Fund	Ongoing
RS.I-76: Inform the public about practices and programs to minimize water pollution and provide educational and technical assistance to farmers and landowners to reduce sedimentation and increase on-site retention and recharge of storm water.	RS.P-74	Department of Resource Management; Solano County Water Agency; Resource Conservation Districts	General Fund	Ongoing
<i>Water Resources and Quality—Coordination with Other Agencies and Organizations</i>				
RS.I-77: Coordinate with federal and state agencies to monitor the extent of endocrine disruptor pollutants (synthetic compounds that mimic certain hormones and effect body functions such as immune and reproductive system) in the County's water supply and water bodies. Create an action plan to reduce such pollutants, if pollutants are found to exist at unacceptable levels.	RS.P-64, RS.P-66	Department of Resource Management	General Fund	Ongoing
RS.I-78: Explore a cooperative city/County program to compensate farmers and/or landowners to preserve farmland for watershed preservation and maintenance.	RS.P-68, RS.P-69, RS.P-70	Department of Resource Management; Solano County Water Agency; Cities	General Fund	Ongoing
Public Health and Safety				
<i>Flood Control—Regulations</i>				
HS.I-1: Develop and adopt a Sea Level Rise Strategic Program for Solano County. The Sea Level Rise Strategic Program (SLRSP) will have three primary objectives. These include (1) investigate the potential effects of sea level rise on Solano County, (2) identify properties and resources susceptible to SLR in order to prioritize management strategies, and (3) develop protection and adaptation strategies to meet the county's and region's goals. The Program will encompass all areas identified within a Sea Level Rise Planning Area.	HS.P-9, HS.P-10	Board of Supervisors; Department of Resource Management	General Fund	To be developed and adopted by June 30, 2010.

Solano County General Plan Implementation Programs				
Implementation Program	Related Policies	Agency/Department	Funding Source	Time Frame
<p>Preparation of an effective SLRSP is necessary to protect the county's safety and economic well being. Due to the complexity and regional implications of sea level rise, preparation of the program should be coordinated with BCDC, Bay Delta Authority, and other relevant agencies. The SLRSP will contain the following components:</p> <p>SLR Area Identification—The County, with the help of state and federal agencies, will need to investigate the effects of SLR with respect to the specific hydrological characteristics of the Bay-Delta area. The Intergovernmental Panel on Climate Change and the 2006 California Climate Action Team Report project increases between 12 and 36 inches by the year 2100. While uncertainty exists regarding the projected height of sea level rise, both moderate and high projections are expected to result in sea levels that will affect the Bay-Delta area both directly and by increasing the frequency, duration, and magnitude of extreme water level events. Extreme water level events are coastal area floods created by a combination of high tides, Pacific climate disturbances such as El Nino, low pressure systems and associated storm surges.</p> <p>Extreme water level events are expected to increase substantially with elevated sea levels. Given a one foot rise in sea level, as predicted in low end SLR projections, the frequency of a 100-year event would increase tenfold. Additionally, elevated sea levels and increased extreme water level events are expected to exacerbate flooding and saltwater intrusion in the county. The SLRSP will need to investigate these issues further to protect infrastructure, property, resources, and lives.</p> <p>Prioritization—As a second step, the county will identify areas susceptible to SLR in order to prioritize management strategies. This step should be coordinated with the Association of Bay Area Governments' cost-benefit analysis and with BCDC's regional prioritization process. Areas to be identified include the following:</p> <ul style="list-style-type: none"> ▶ Properties that contain high value development and warrant protection. ▶ Areas where it may be more cost-effective to remove existing development than to protect low-value structures. 				

Solano County General Plan Implementation Programs				
Implementation Program	Related Policies	Agency/Department	Funding Source	Time Frame
<ul style="list-style-type: none"> ▶ Sites where hazardous substances exist and could be released into the environment due to sea level increases. These sites will need to be remediated prior to SLR inundation. ▶ Properties that are designated for future development, but have not yet been built. It may be better to remove development potential from such areas in order to reduce the public's exposure to the risk associated with SLR. ▶ Valuable ecosystems such as marshlands and delta riparian areas that may become flooded as sea level rises. <p>Prioritization—The third component of the plan will require the development of management strategies to meet the county's and region's protection, adaptation, and resource enhancement goals. Management strategies will include, but are not limited to, the following:</p> <ul style="list-style-type: none"> ▶ Create a sea level rise protection program that identifies the levees, seawalls, and other infrastructure and activities that will have to be constructed or carried out to safeguard high value areas from inundation. ▶ Produce a relocation and resource enhancement program that identifies: (1) the activities that will have to be carried out to remove or relocate facilities from those areas that are identified as being inappropriate for protection; and (2) the activities and programs that will have to be carried out to achieve environmental protection and enhancement in areas that the county and regional, state and federal agencies identify as being most suitable for these purposes. ▶ Update land use designations and development regulations in order to protect public safety, welfare, and health. ▶ Coordinate SLRSP strategies with strategies developed in the overarching county Climate Action Plan. 				
HS.I-2: HS.I-2: Update the General Plan to incorporate DWR 200-year floodplain mapping and CVFPP measures once they are available. Include appropriate CVFPP measures within the County's zoning ordinance update to be completed after adoption of the General Plan.	HS.P-3, HS.P-5, HS.P-6, HS.P-9	Department of Resource Management	General Fund	Adopt General Plan amendment by 2009 Adopt zoning ordinance update by 2011

Solano County General Plan Implementation Programs				
Implementation Program	Related Policies	Agency/Department	Funding Source	Time Frame
HS.I-3: Revise the County zoning ordinance to: <ul style="list-style-type: none"> ▶ limit activities that contribute to increased rates of surface water runoff, such as overgrazing by livestock, clearing, and burning, which can reduce natural vegetative cover; ▶ promote recreational, open space, and agricultural uses of upstream watershed areas, where appropriate; ▶ limit the construction of extensive impermeable surfaces and promote the use of permeable materials for surfaces such as driveways, streets, parking lots, and sidewalks; ▶ require development in upstream watershed areas to follow best management practices for stormwater management, including on-site detention and retention basins, appropriate landscaping, and minimal use of impervious surfaces; and ▶ designate resource areas for preservation, including agriculture, wetlands, floodplains, recharge areas, riparian zones, open space, and native habitats. 	HS.P-1, HS.P-2, HS.P-3, HS.P-4, HS.P-9, HS.P-10	Department of Resource Management	General Fund	By 2011
<i>Flood Control—Funding, Physical Improvements, and Capital Projects</i>				
HS.I-4: Find funding for and establish the appropriate procedures to properly maintain dams, canals, and levees in Solano County.	HS.P-8, TC.P-23	Solano County Office of Emergency Services	State and federal agencies	Ongoing
HS.I-5: Require periodic stream maintenance by private property owners, and undertake regular stream maintenance by the appropriate public agencies.	HS.P-1, HS.P-2	Department of Resource Management; Public Works; Solano County Water Agency	General Fund	Ongoing
HS.I-6: Continue to make regular flood control and drainage improvements as recommended by local agency plans, the U.S. Army Corps of Engineers, and the California Reclamation Board. These actions are independent of and in addition to the development review process.	HS.P-6, HS.P-8, TC.P-23	Solano County Water Agency and Department of Resource Management; Public Works	Capital Improvement Program; State and federal agencies	Ongoing
<i>Flood Control—Development Review</i>				
HS.I-7: During project review, require the use of stormwater management techniques in developed upstream watershed areas that protect low-lying areas from flooding. Incorporate appropriate measures into the development review process to mitigate flooding and prevent erosion in and around County ditches.	HS.P-1, HS.P-2, HS.P-3, HS.P-4, HS.P-9	Department of Resource Management; Planning Services	Private	Ongoing

Solano County General Plan Implementation Programs				
Implementation Program	Related Policies	Agency/Department	Funding Source	Time Frame
HS.I-8: In review of new development projects, require disclosure of risk where proposed development would occur in flood risk areas. This disclosure may include notifying new residents in these areas and encouraging purchase of appropriate insurance.	HS.P-3, HS.P-5, HS.P-7, HS.P-9	Department of Resource Management; Building and Safety Services	General Fund	Ongoing
HS.I-9: Work with the Solano County Water Agency (or successor agency) to review existing developments contributing to increased runoff and to reduce runoff wherever possible.	HS.P-1, HS.P-6	Department of Resource Management; Building and Safety Services	General Fund, Development fees	Ongoing
HS.I-10: During project review, encourage the use of landscaping practices and plants that will reduce demand on water, retain runoff, decrease flooding, and recharge groundwater.	HS.P-1, HS.P-3, HS.P-4, HS.P-10	Department of Resource Management; Planning Services	General Fund, Development fees	Ongoing
HS.I-11: Where new development for human occupancy is proposed within dam, canal, or levee inundation areas, require the applicant to prepare a report describing the results of an inspection of the dam, canal, or levee by a state-registered civil engineer, including the reliability of the facility during a 100-year flood, potential for failure during seismic shaking, likely inundation area, and predicted evacuation times. The report should also include any necessary dam, levee, or canal improvements to protect life and property in the proposed development.	HS.P-7	Department of Resource Management; Building and Safety Services	Development fees	Ongoing
HS.I-12: Increase the use of stormwater detention as a possible source of groundwater recharge as appropriate and only when increased retention does not increase groundwater levels to a point at which it increases the potential risk of liquefaction.	HS.P-4, HS.P-10, PF.P-35	Solano County Water Agency	Development fees	Ongoing
<i>Flood Control—Ongoing Planning Efforts, Public Outreach and Education</i>				
HS.I-13: Work with the Solano County Water Agency to create a countywide comprehensive flood management plan.	HS.P-6, HS.P-8, PF.P-35	Department of Resource Management	General Fund	Ongoing
HS.I-14: Continue to use the Solano County Water Agency Flood Hazard Warning System, which provides information regarding potential flooding risks.	HS.P-11	Solano County Water Agency	General Fund	Ongoing
HS.I-15: Work with the Solano County Water Agency (or successor agency) in preparing a hydrological analysis of uplands, identifying the different watersheds that drain into the county, establishing flood-related objectives and priorities on a study area	HS.P-1, HS.P-7, HS.P-10	Department of Resource Management; Planning Services	General Fund	Ongoing

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Implementation Program	Related Policies	Agency/Department	Funding Source	Time Frame
basis, and translating those into a coordinated series of flood-preventive measures for each watershed.				
HS.I-16: Conduct an annual review of the floodplain map shown in Figure HS-1 and those available from state and federal agencies such as the Federal Emergency Management Agency and the Department of Water Resources to ensure that changes are noted and corresponding portions of this General Plan are revised.	HS.P-5, HS.P-6, HS.P-7	Department of Resource Management; Planning Services, Public Works	General Fund	Annual
<i>Flood Control—Coordination with Other Agencies and Organizations</i>				
HS.I-17: Investigate and pursue the creation of one regional or countywide agency for flood control purposes. Investigate consolidating flood control responsibilities for the entire county into the Solano County Water Agency.	HS.P-6, HS.P-7, HS.P-9, PF.P-36	Department of Resource Management; Solano County Water Agency	General Fund	Ongoing
<i>Seismic Safety and Land Stability—Regulations</i>				
HS.I-18: Revise the County zoning ordinance to do the following: <ul style="list-style-type: none"> ▶ Limit development occurring in geologic hazard areas, including active fault traces and fault zones, landslide susceptibility zones, and creek banks susceptible to lurching. ▶ Prohibit structures in active fault trace areas. Per the Alquist-Priolo Earthquake Fault Zoning Act, structures for human occupancy must be set back at least 50 feet from active fault traces. Further limit development intended for human occupancy within 100 feet of active fault trace areas to one-story wood-frame structures. ▶ Limit development within landslide areas 3 and 4 on Figure HS-5 to agriculture, open space, or other nonurban uses. Adopt and implement hillside slope/density and land capacity ordinances within landslide area 2. 	HS.P-13, HS.P-14, HS.P-16, HS.P-17, HS.P-19	Department of Resource Management	General Fund	Amend by 2011
HS.I-19: Adopt and enforce the most current versions of the International Building Codes, as modified by the California Building Standards Commission.	HS.P-12	Department of Resource Management	General Fund	Ongoing
HS.I-20: Create or modify design requirements for new utilities which will guide the construction and placement of these utilities.	HS.P-15	Department of Resource Management	General Fund	By 2011

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Implementation Program	Related Policies	Agency/Department	Funding Source	Time Frame
<i>Seismic Safety and Land Stability—Development Review</i>				
HS.I-21: Require geotechnical investigation and recommendations for buildings meant for public occupancy within geologic hazard areas. A state-certified Engineering Geologist shall produce a report examining development issues that considers: <ul style="list-style-type: none"> ▶ soil, slope, or other geologic hazard conditions found on site; ▶ potential off-site development impacts, such as increased runoff and/or slope instability; and ▶ requirements of any regulations concerning the hazard area. 	HS.P-14, HS.P-15	Department of Resource Management	Project Applicant	Ongoing
HS.I-22: Require geotechnical evaluation and recommendations before new development in moderate or higher-hazard areas. Such geotechnical evaluation shall analyze the potential hazards from: <ul style="list-style-type: none"> ▶ landslides ▶ liquefaction ▶ expansive soils ▶ steep slopes ▶ erosion ▶ subsidence ▶ Alquist-Priolo Earthquake Fault Zones or other identified fault zones ▶ tsunamis ▶ seiches Require new development to incorporate project features that avoid or minimize the identified hazards. Costs related to providing or confirming required geotechnical reports will be borne by the applicant.	HS.P-12, HS.P-19	Department of Resource Management	Project Applicant	Ongoing
<i>Seismic Safety and Land Stability—Ongoing Planning Efforts, Public Outreach and Education</i>				
HS.I-23: Require owners of all existing or proposed oil, gas, water, and sewer pipelines that cross active faults to file an operations plan describing the probable effects of pipeline failure at the fault and the various emergency facilities and procedures that exist to ensure that failure does not threaten public safety.	HS.P-15, HS.P-17	Department of Resource Management	General Fund	Ongoing

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Implementation Program	Related Policies	Agency/Department	Funding Source	Time Frame
HS.I-24: Provide current data to the public regarding geologic hazards. Coordinate with cities to gather and periodically assess new geologic data including fault zone activity, landslide activity, and distribution of shrink-swell soils.	HS.P-13	Department of Resource Management	General Fund	Ongoing
HS.I-25: Develop a geologic constraints and hazards database to be maintained in the County geographic information system (GIS). The GIS shall be used to identify areas containing hazards and constraints that could potentially affect the type or level of development allowed in these areas. Make these data available to the public. Information maintained as part of the database may include: <ul style="list-style-type: none"> ▶ active faults ▶ relative seismic shaking hazards ▶ relative landslide susceptibility ▶ relative earthquake induced liquefaction susceptibility ▶ steep-slope constraints ▶ moderate and high-erosion hazards ▶ soils with high clay content indicating shrink-swell potential ▶ agricultural soils and/or bay mud subject to high water levels ▶ extreme, very high, and high wildfire risk using the Wildland Fire Hazard Areas map provided by the California Department of Forestry and Fire Protection 	HS.P-12, HS.P-13, HS.P-14, HS.P-15, HS.P-16, HS.P-17, HS.P-18, HS.P-19, HS.P-20, HS.P-21, HS.P-22	Department of Information Technology	General Fund	Ongoing
<i>Fire Safety—Regulations</i>				
HS.I-26: Update the zoning ordinance to limit development in areas of extreme, very high, and high wildfire risk. Development within the extreme risk area will be limited to farm-related development served by private roads. Land divisions within the very high and high risk areas will be restricted, unless the availability of adequate water supply can be demonstrated and guaranteed; more than one access point for firefighting equipment can be provided; defensible space is permanently maintained around any buildings; and, fire-resistant materials are used in construction.	HS.P-20, HS.P-21, HS.P-22	Department of Resource Management	General Fund	Amend by 2011

Solano County General Plan Implementation Programs				
Implementation Program	Related Policies	Agency/Department	Funding Source	Time Frame
<i>Fire Safety—Funding, Physical Improvements, and Capital Projects</i>				
HS.I-27: Collaborate with fire districts to establish funding mechanisms, including impact fees to offset fire protection costs for new developments in areas of high wildfire risk.	HS.P-20, HS.P-22, HS.P-23	Fire Protection Districts; Department of Resource Management	May include Special Assessments, Mitigation fees	Ongoing
<i>Fire Safety—Development Review</i>				
HS.I-28: Work with fire districts to ensure that new development is built to support effective firefighting. Continue to seek fire district input on new development projects and ensure that such projects incorporate fire-safe planning and building measures. Such measures may include clustering housing, buffering properties, creating defensible space around individual units, using fire-resistant building materials, installing sprinkler systems, and providing adequate on-site water supplies.	HS.P-20, HS.P-22, HS.P-23, HS.P-24	Fire Protection Districts; Department of Resource Management	Project Applicant	Ongoing
HS.I-29: Ensure access for firefighting equipment in rural areas by clustering residential units that are located in areas of high fire risk and maintaining emergency access routes. These routes are designated as part of an emergency preparedness plan maintained under HS.I-37 in the Disaster Preparedness section.	HS.P-22	Department of Resource Management; Fire Protection Districts; Office of Emergency Services	General Fund	Ongoing
<i>Fire Safety—Ongoing Planning Efforts, Public Outreach and Education</i>				
HS.I-30: Identify areas of overlap between important visual and natural resources and fire hazard areas. The County will work with federal and state agencies and local fire districts to develop management plans for these lands that protect these resources while still allowing for appropriate fire maintenance.	HS.P-24	Department of Resource Management; Fire Protection Districts	General Fund	Ongoing
<i>Fire Safety—Coordination with Other Agencies and Organizations</i>				
HS.I-31: Create fire buffers along heavily traveled roads by promoting grazing, thinning, mowing, plowing, diskng, or controlled burning of roadside grass. Coordinate with the California Department of Transportation to ensure that adequate fire buffers are established along state highways. Favor those methods that have the least impact on air quality, such as grazing.	HS.P-23, HS.P-24	California Department of Transportation; Department of Resource Management	Caltrans, Road Fund	Ongoing
HS.I-32: Increase cooperative efforts among fire districts, public agencies, and landowners. The County will continue to collaborate with the U.S. Forest Service, CAL FIRE, fire departments of	HS.P-23, HS.P-25	Department of Resource Management; Fire Protection Districts; Solano Local	General Fund; Fire District funds; Local Agency Formation	Ongoing

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adjacent counties, city fire departments, fire districts, and property owners to prevent and manage wildland fires. Efforts may include monitoring regional fuel buildup, maintaining fuel breaks, sharing firefighting equipment, and providing necessary water supplies. The County will continue to encourage the consolidation of fire districts.		Agency Formation Commission	Commission	
<i>Hazardous Materials—Regulations</i>				
HS.I-33: Continue implementation of the provisions of the Tanner Plan and siting locations for new hazardous waste storage and transfer facilities through the Association of Bay Area Governments' Hazardous Waste Allocation Committee	HS.P-27, HS.P-29	Department of Resource Management	General Fund	Ongoing
<i>Hazardous Materials—Development Review</i>				
HS.I-34: Follow recommended protocol from the California Department of Conservation, Geologic Survey, U.S. Occupational Safety and Health Administration, and other applicable agencies for reducing risks associated with naturally occurring hazardous materials with new development.	HS.P-27	Department of Resource Management	Project Applicant	Ongoing
HS.I-35: Coordinate with the California Department of Transportation and railway operators to establish routes intended for hazardous material transportation. Limit future development of sensitive land uses (e.g., residential, schools, hospitals) along these corridors unless adequate buffers are provided. These buffers shall match those that are created under HS.I-63 in the Air Quality section.	HS.P-26, HS.P-30, HS.P-32	Department of Resource Management	Project Applicant	Ongoing
<i>Hazardous Materials—Ongoing Planning Efforts, Public Outreach and Education</i>				
HS.I-36: Continue to support public education programs regarding health risks associated with naturally occurring hazardous materials such as asbestos, radon, or mercury.	HS.P-27	Department of Resource Management; Department of Health and Social Services	General Fund	Ongoing
HS.I-37: Continue implementation of the Certified Unified Program Agency program, identifying businesses that use, store, and/or transport hazardous materials in the county. Review, revise, and continue permitting and inspection practices for these businesses. Provide fire departments in the county with a list of such businesses to encourage hazardous material training before an event	HS.P-26, HS.P-28, HS.P-29, HS.P-30, HS.P-31	Department of Resource Management	Permit Fees and Fees for Service	Ongoing

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occurs. Continue to monitor operations of businesses that handle regulated quantities of hazardous materials. Require compliance with measures aimed at reducing associated health and environmental risks.				
HS.I-38: Encourage and promote programs and processes that reduce use of hazardous materials through implementation of the Green Business Program. Provide incentives for businesses to support “green” practices that result in less hazardous waste and the mitigation of existing waste. Such incentives might include tax breaks for brownfield redevelopment or providing environmentally friendly cleaning products at a reduced rate.	HS.P-26, HS.P-28, HS.P-29, HS.P-30	Department of Resource Management	General Fund	Ongoing
<i>Disaster Preparedness—Ongoing Planning Efforts, Public Outreach and Education</i>				
HS.I-39: Maintain and update countywide emergency operations and response plans including information on evacuation routes, inter-agency cooperation, and other specific recommendations and strategies for emergency response. Coordinate with emergency service providers (e.g., hospitals, fire departments, police, emergency shelters), schools and radio stations to provide a network that facilitates a timely and efficient disaster response. Include specific preparation for populations requiring special assistance, including the elderly, the physically and mentally disabled, and non-English speaking populations. The emergency response plans should also incorporate the requirements and programs for the Oil Spill Contingency Plan, the Toxic Release Contingency Plan, the Hazardous Materials Release Response and Inventory Program, and other Hazardous Materials Management Plans.	HS.P-26, HS.P-32, HS.P-33, HS.P-34, HS.P-35, HS.P-36, HS.P-37	Office of Emergency Services	General Fund	Ongoing
HS.I-40: Regularly assess the resources needed to effectively respond to disaster situations. Ensure proper staffing levels at emergency response agencies and update equipment and training as necessary. Continue to train relevant personnel using the California Occupational Safety and Health Administration Hazardous Substances Emergency Response Training. Develop the County’s capability to handle mass shelters for people and pets in case of major disasters by maintaining a list of appropriate	HS.P-32, HS.P-34, HS.P-36	Office of Emergency Services	General Fund	Ongoing

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Implementation Program	Related Policies	Agency/Department	Funding Source	Time Frame
emergency shelter locations. These sites should be geologically stable and well connected to evacuation routes.				
HS.I-41: Improve public education and awareness regarding what to do in case of a catastrophe, and promote public education and awareness programs for each type of natural disaster potentially affecting the County. Education programs should reach all parts of the population through school programs, public service announcements, and County sponsored events like Disaster Preparedness Week.	HS.P-32, HS.P-34, HS.P-37	Office of Emergency Services	General Fund	Ongoing
<i>Disaster Preparedness—Coordination with Other Agencies and Organizations</i>				
HS.I-42: Encourage full coordination, communication, and implementation between federal, state, and local governments regarding disaster planning and preparedness. Create a regional disaster preparedness plan that facilitates resource sharing among the various participating agencies. Participate in collaborative and coordinated efforts of the Delta Emergency Preparedness and Response Team consistent with the Board of Supervisor's approval of the agreement of participation, resolution of commitment, and adoption of statement of compelling need.	HS.P-35	Office of Emergency Services	General Fund	Ongoing
<i>Public Health—Regulations</i>				
HS.I-43: Promote the establishment of farmer's markets using locally grown produce. Revise the County zoning ordinance to allow licensed farmer's markets in unincorporated locations and fruit stands in agricultural areas. Remove barriers to siting of farmer's markets.	HS.P-38, HS.P-40	Department of Resource Management; Department of Agriculture	General Fund	Ongoing
<i>Public Health—Development Review</i>				
HS.I-44: Promote the use of healthy building materials such as low toxicity paint and nontoxic carpeting.	HS.P-38	Department of Resource Management	General Fund	Ongoing

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<i>Public Health—Ongoing Planning Efforts, Public Outreach and Education</i>				
HS.I-45: Conduct meetings, workshops, or public hearings to solicit input from interested individuals and organizations on opportunities and recommendations for integrating public health concerns into local land use planning.	HS.P-39	Department of Health and Social Services; Department of Resource Management	General Fund	Ongoing
HS.I-46: Provide an annual report to the Board of Supervisors recommending ways that the County may continue to integrate planning and public health.	HS.P-38, HS.P-39, HS.P-40, HS.P-41, HS.P-42	Department of Health and Social Services; Department of Resource Management	General Fund	Annual, ongoing
HS.I-47: Continue implementing public health programs and services that decrease obesity rates and increase easy access to healthy foods, parks, and recreation opportunities.	HS.P-38, HS.P-40	Department of Public Health	General Fund	Ongoing
<i>Public Health—Coordination with Other Agencies and Organizations</i>				
HS.I-48: Actively support implementation of health service strategic plans, including the Health and Social Services Strategic Plan and the Solano County Health Access Strategic Plan.	HS.P-39	Department of Health and Social Services	General Fund	Ongoing
HS.I-49: Coordinate with public health agencies to provide public outreach and education on how lifestyle changes can affect health.	HS.P-38	Department of Health and Social Services	General Fund	Ongoing
HS.I-50: Partner with the cities, school districts, and civic organizations to facilitate joint-use of schools and other public areas for public services such as child care and recreation.	HS.P-42	Department of Health and Social Services; local school districts	General Fund, Service Fees	Ongoing
HS.I-51: Investigate possible strategies for increasing the number of health clinics and medical facilities and health care access for uninsured and low-income families.	HS.P-39, HS.P-41	Department of Health and Social Services	General Fund	Ongoing
HS.I-52: Work with local community groups to initiate walking, cycling and recreation clubs, sports leagues, and educational speakers discussing issues in public health.	HS.P-38, HS.P-39	Department of Health and Social Services	General Fund	Ongoing
<i>Air Quality—Regulations</i>				
HS.I-53: Adopt a trip reduction ordinance and encourage employers to develop practices that reduce employees' vehicle trips. Such practices include telecommuting, provision of bicycle facilities, and provision of shuttles to public transit.	HS.P-43	Department of Resource Management	General Fund	Ongoing

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<i>Air Quality—Development Review</i>				
HS.I-54: Require that when development proposals introduce new significant sources of toxic air pollutants, they prepare a health risk assessment as required under the Air Toxics “Hot Spots” Act (AB 2588, 1987) and, based on the results of the assessment, establish appropriate land use buffer zones around those areas posing substantial health risks.	HS.P-43, HS.P-44	Department of Resource Management	General Fund	Ongoing
<i>Air Quality—Ongoing Planning Efforts, Public Outreach and Education</i>				
HS.I-55: Develop a greenhouse gas emissions inventory according to the most recently established methodologies of the California Climate Action Registry or California Air Resources Board. At the time of writing this report the most recently established methodology is the California Climate Action Registry’s General Reporting Protocol, Version 2.2.	HS.P-43, HS.P-44, HS.P-45, HS.P-46, HS.P-47	Department of Resource Management	General Fund	Ongoing
HS.I-56: Develop a GHG emission reduction plan for Solano County and explore membership in the California Climate Action Registry. This should be done in conjunction with the County’s Climate Action Plan found in HS.I-73.	HS.P-43, HS.P-44, HS.P-45, HS.P-46, HS.P-47	Department of Resource Management	General Fund	2010
HS.I-57: Comply with all federal and/or state GHG emission reduction targets to reduce the County’s contribution to global climate change. The plan should include strategies to reduce vehicle miles traveled, energy consumption, and other sources of GHGs within the county. This should be done in conjunction with the County’s Climate Action Plan found in HS.I-73.	HS.P-43, HS.P-44, HS.P-45, HS.P-46, HS.P-47	Department of Resource Management	General Fund	2010
HS.I-58: Encourage agricultural best management practices regarding herbicide and pesticide use, odor control, fugitive dust control, and agricultural equipment emissions to minimize air quality impacts.	HS.P-46	Department of Resource Management	General Fund	Ongoing
HS.I-59: Require the implementation of best management practices to reduce air pollutant emissions associated with the construction of all development and infrastructure projects.	HS.P-43, HS.P-44	Department of Resource Management	General Fund	Ongoing
HS.I-60: Require environmentally responsible government purchasing. Require or give preference to the purchase of products that reduce or eliminate indirect greenhouse gas emissions (e.g.,	HS.P-47	Department Resource Management	General Fund	Ongoing

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giving preference to recycled products over products made from virgin materials).				
<i>Air Quality—Coordination with Other Agencies and Organizations</i>				
HS.I-61: Comply with the California Air Resources Board and Bay Area or Yolo-Solano Air Quality Management District rules, regulations, and recommendations for Solano County facilities and operations. Such operations shall comply with mandated measures to reduce emissions from fuel consumption, energy consumption, surface coating operations, and solvent usage.	HS.P-43, HS.P-44, HS.P-46	Department of Resource Management	General Fund	Ongoing
HS.I-62: Encourage coordination between the Bay Area and Yolo-Solano Air Quality Management Districts for consistency in air quality planning efforts.	HS.P-45	Department of Resource Management	General Plan	Ongoing
HS.I-63: Use the guidelines presented in the California Air Resources Board's Air Quality and Land Use Handbook: A Community Health Perspective, or the applicable Air Quality Management District guidelines and recommendations available at the time, when establishing buffers around sources of toxic air contaminants or odorous emissions.	HS.P-44	Department of Resource Management	General Fund	Ongoing
HS.I-64: Assess air quality impacts using the latest version of the California Environmental Quality Act Guidelines and guidelines prepared by the applicable Air Quality Management District.	HS.P-44, HS.P-45, HS.P-46	Department of Resource Management	General Fund	Ongoing
<i>Noise—Regulations</i>				
HS.I-65: Develop, adopt and implement a County noise ordinance that includes: <ul style="list-style-type: none"> ▶ performance standards and exemptions; ▶ restrictions on noise-emitting construction activities based on standards for construction equipment; ▶ regulations for mobile or single event types of noise emissions or noise generated by added equipment including truck loading and unloading, operation of construction equipment, and amplified music; ▶ standards to ensure that the County personnel charged with enforcing such an ordinance are properly trained and 	HS.P-51	Department of Resource Management	General Fund	Adopt by 2010

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<p>equipped for on-site measurement techniques and other necessary tasks.</p> <ul style="list-style-type: none"> ▶ standardized, broadly accepted documented procedures for noise measurement collection to ensure that field measurements are conducted in a consistent manner. 				
<i>Noise—Funding, Physical Improvements, and Capital Projects</i>				
HS.I-66: Trucks tend to generate noise in excess of applicable standards, but goods movement by truck is necessary to support the area's economy. Thus, continue to designate and maintain established truck routes where noise conflicts with land uses are least likely to occur.	HS.P-52	Department of Resource Management	General Fund	Ongoing
<i>Noise—Development Review</i>				
HS.I-67: When reviewing new development proposals, <ul style="list-style-type: none"> ▶ Require noise abatement measures to ensure that noise levels will not exceed those indicated in Tables HS-3 and HS-4. ▶ Require buffering between noise-sensitive land uses and noise sources unless a detailed noise analysis is conducted and noise abatement measures can be taken to reduce noise to acceptable levels as shown on Tables HS-3 and HS-4. ▶ Where development projects produce, or are affected by, nontransportation-related noise, require the inclusion of project features that will enable the project to achieve acceptable levels specified in Table HS-4, as measured at outdoor activity areas of existing and planned noise-sensitive land uses. ▶ Require noise mitigation to reduce construction and other short-term noise impacts as a condition of approval for development projects by applying the performance standards outlined in Table HS-4. The total noise level resulting from new sources and ambient noise shall not exceed the standards in Table HS-4, as measured at outdoor activity areas of any affected noise sensitive land use except: <ul style="list-style-type: none"> – If the ambient noise level exceeds the standard in Table HS-4, the standard becomes the ambient level plus 5 dB. – Reduce the applicable standards in Table HS-4 by 5 dB if they exceed the ambient level by 10 or more dB. 	HS.P-48, HS.P-50, HS.P-51, HS.P-52	Department of Resource Management	General Fund	Ongoing

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<ul style="list-style-type: none"> - Under the conditions outlined below, require acoustical studies to be prepared as part of the development review process to ensure adequate analysis of proposed development and incorporation of noise-reducing features in project designs. Acoustical studies with appropriate noise abatement measures will be required for all discretionary projects where any of the following conditions apply: - The project is located within the existing or future 60 dB CNEL transportation noise contours as measured at outdoor activity areas of noise-sensitive land uses. - The project will cause future traffic volumes to exceed 5,000 average daily trips on any roadway that fronts residential, institutional, and open space land uses or will cause traffic volume to increase by 25 percent or more, on any of these roadways. - The project will introduce noise or vibration sources associated with mechanical equipment operations, entertainment, maintenance, and facility operations. - The project is a proposed residential use in the vicinity of existing and proposed commercial and industrial areas. - The project is proposed in an area where existing noise levels exceed acceptable levels in Table HS-4 as measured at outdoor activity areas of noise sensitive land uses. <p>► Where it is not possible to reduce noise levels in outdoor activity areas to 60 dB or less using practical application of the best-available noise reduction measures, an exterior noise level of up to 65 dB may be allowed, provided that all available exterior noise level reduction measures have been implemented.</p>				
HS.I-68: Refer proposed development projects within areas requiring airport land use compatibility review to the Airport Land Use Commission. Ensure that new development complies with the noise standards contained within the Airport Land Use Compatibility Plans. Maintain buffers between the airports and incompatible land uses.	HS.P-48, HS.P-51, HS.P-52	Department of Resource Management	General Fund	Ongoing

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HS.I-69: Promote the use of berms, landscaping, setbacks, or architectural design for noise abatement, in addition to conventional wall barriers, to enhance aesthetics and minimize pedestrian barriers. Development of noise-sensitive land uses in areas exposed to existing or projected levels of noise from transportation, stationary sources, or agricultural operations exceeding, or estimated to exceed, levels specified in Table HS-2 shall require transportation planning, traffic calming, site planning, buffering, sound insulation, or other methods to reduce noise exposure in outdoor activity areas and interior spaces to the levels specified in Table HS-2.	HS.P-49	Department of Resource Management	General Fund	Ongoing
<i>Noise—Ongoing Planning Efforts, Public Outreach and Education</i>				
HS.I-70: Make public information readily available on noise abatement measures, the physical and psychological effects of noise on public health and welfare, and the meaning of noise levels and standards. Consider specific mailings to properties located in existing or projected 60 dB contours.	HS.P-51	Department of Resource Management	General Fund	Ongoing
<i>Noise—Coordination with Other Agencies and Organizations</i>				
HS.I-71: Locate industrial and other noise-generating land uses away from noise-sensitive land uses and/or require substantial noise sources to be completely enclosed within buildings or structures.	HS.P-48, HS.P-51	Department of Resource Management	General Fund	Ongoing
HS.I-72: Identify locations and work with the California Department of Transportation to mitigate freeway noise in those locations where such noise adversely affects unincorporated residential land uses.	HS.P-52	Department of Resource Management	General Fund	Ongoing
<i>Climate Change—Regulations</i>				
HS.I-73: Develop and adopt a climate action plan for Solano County. It is the intent of Solano County to coordinate and seek participation from all cities in preparation of a countywide baseline study and in preparation and implementation of the Climate Action Plan (CAP). The Climate Action Plan will have two primary objectives, which include: (a) reduce total greenhouse gas emissions in the county to 20 percent below 1990 levels by 2020, (b) create adaptation	HS.P-53 and those identified in Table HS-5	Board of Supervisors; Department of Resource Management	General Fund	To be developed and adopted by June 30, 2010.

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<p>strategies to address the impacts of climate change on the county such as sea level rise, increased risk of flooding, diminished water supplies, public health, and local agricultural-based economy. The CAP will contain the following chapters:</p> <p>Climate Change and Solano County—The first chapter of the CAP will outline the county's rationale and motivation for taking a leadership role in addressing climate change and developing and implementing the CAP. The chapter will provide a brief overview of the science behind climate change, describe the potential impacts climate change may create in Solano County, and outline state policy mandates to reduce GHG emissions.</p> <p>Baseline GHG Emissions Inventory and Forecast —In this chapter, the county will calculate GHG emissions for the base year 1990, forecast emissions in 2020 under a business as usual scenario, and will describe the GHG reductions necessary to achieve the county's adopted target. The County will make best efforts to evaluate all reasonable sources of GHG emissions. The chapter will identify GHG emissions and target levels per sector. Sectors to be described in the inventory will include municipal operations, residential, commercial, industrial buildings, motor vehicles, agriculture, and waste. This inventory and forecast shall provide a benchmark for planning and monitoring progress in government operations and the community. The GHG inventory shall be conducted using a methodology consistent with that used by other local governments and will be completed within 1 year after the effective date of adoption of the General Plan.</p> <p>GHG Emissions Policies and Measures—This chapter will describe the policies and measures that are necessary to reduce GHG emissions in the county and achieve the reduction target. Policies and measures will be created with public input from all stakeholders. Each measure will be enforceable, include a timeline, describe financing mechanisms, and assign responsibility to relevant agencies and departments. In addition to direct GHG reduction measures, the chapter will incorporate public education efforts to raise awareness on the importance of minimizing GHG emissions and methods for reducing emissions from individual lifestyles. These policies and measures will be developed within 2 years after the effective date of adoption of the General Plan. The effectiveness</p>				

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<p>of policies and measures will be evaluated annually and will be modified as necessary to achieve the County's reduction goals.</p> <p>As the CAP is to be implemented over a period of several years, it is likely that the scientific and state and federal policy framework surrounding climate change measures will evolve. The CAP will adapt its policies, measures, and programs to ensure successful GHG emissions reduction, protection of the county, and compliance with regulations.</p> <p>Protection and Adaptation Strategies—The fourth chapter of the CAP will describe strategies, policies, and measures that will be used to protect the county from and facilitate adaptation to the potential effects of climate change. Potential effects to be evaluated include, but are not limited to, sea level rise, saltwater intrusion, increased frequency and magnitude of flooding, diminished water supply, increased wildfire risk, habitat loss, and possible impacts to public health and the local economy, including agriculture. Each measure will include a timeline, describe financing mechanisms, and assign responsibility to relevant agencies and departments.</p> <p>County and state concerns regarding sea level rise and its associated impacts led to the development of an SLRSP. The SLRSP has been included as an implementation measure in the 2008 General Plan (See Program HS.I-1).</p> <p>Benchmarks and Next Steps—In conclusion, the CAP will identify benchmarks, monitoring procedures and other steps needed to ensure the county achieves its GHG reduction, protection, and adaptation goals. Monitoring and verifying progress on the GHG emissions reduction measures will be conducted on an annual basis. Monitoring will provide important feedback that can be used to demonstrate overall progress toward emissions reduction targets and improve measures over time.</p> <p>Benchmarks will be established to serve as intermediate goals and to motivate compliance with county and sector level reduction targets. While additional benchmarks will be created during CAP development, the following emissions reductions benchmarks will be included:</p> <ul style="list-style-type: none"> ▶ Overall emissions reductions of at least 10 percent below 1990 levels by 2015. 				

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<ul style="list-style-type: none"> ▶ Overall emissions reductions of at least 20 percent below 1990 levels by 2020. ▶ Reductions of total countywide energy consumption of at least 2 percent per year to achieve a minimum 20 percent reduction by 2020. <p>Benchmarks for strategic responses to climate change impacts should be based on the expected timescale of the specific impact and will be established during the development of individual strategic plans.</p> <p>The CAP will consider Community Choice Aggregation programs as part of its implementation.</p> <p>CAP Relationship to the General Plan—Implementation strategies identified in the CAP will be incorporated as implementation measures of the General Plan through amendment within 1 year of completion. Revisions to CAP policies and measures and subordinate strategic programs may require further General Plan amendments.</p>				
Economic Development				
<i>Funding, Physical Improvements, and Capital Projects</i>				
ED.I-1: Identify locations within the county where commercial and/or industrial development is desirable and appropriate. Collaborate with cities and update public works programs to ensure that infrastructure improvements required for desired commercial or industrial development are feasible. Use cost-benefit analyses to determine feasibility.	ED.P-3, ED.P-9, ED.P-13	County's Administrator's Office/Department of Resource Management	General Fund	Ongoing
<i>Ongoing Planning Efforts, Public Outreach and Education</i>				
ED.I-2: Seek feedback on quality-of-life needs during interaction with businesses and non-County agencies. Communicate these needs and collaborate with cities; school districts and private schools; health care providers and child care advocates; and cultural, recreational, and park resource providers to provide services that contribute to a high quality of life and aid in attracting economic opportunities to the county.	ED.P-12	County Administrator's Office/Department of Resource Management	General Fund	Every 5 years

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ED.I-3: Encourage and cooperate with the Solano EDC to create and maintain a strategic plan which includes the cities and the County.	ED.P-2, ED.P-3, ED.P-5, ED.P-7, ED.P-8, ED.P-10, RS.P-39	County's Administrator's Office	General Fund	Ongoing
ED.I-4: Collaborate with cities, Solano Economic Development Corporation, and other organizations to offer technical assistance to businesses. Assess needs and available funding periodically, and offer targeted assistance obtaining economic development grants, loans, and other funds from federal, state, and private sources.	ED.P-4, ED.P-5	County Administrator's Office	General Fund	Ongoing
<i>Coordination with Other Agencies and Organizations</i>				
ED.I-5: Seek continuing feedback related to the County's regulations and development process from interested organizations, including the county's chambers of commerce, economic development agencies, labor unions, schools, and the agricultural community. Work to implement changes to address concerns while maintaining a focus on the County's overall goals.	ED.P-1	Department of Resource Management	General Fund	Ongoing, Every 5 years
ED.I-6: Encourage the Solano EDC to continue creating a working partnership among the economic development agencies of the County and the cities. Support the Solano EDC's efforts to ensure that the County and cities integrate their economic development planning, and direct new commercial and industrial businesses to desired locations based on efficiency, circulation, compatibility with nearby uses, availability of services, safety, impact on habitat resources, and proximity to workers and residents. Work with the Solano EDC to target particular industries or functions for recruitment based on continuing economic analysis and research.	ED.P-2, ED.P-3, ED.P-8, ED.P-9	County Administrator's Office	General Fund	Ongoing
ED.I-7: Work with the California Workforce Investment Board, the Workforce Investment Board of Solano County, and other related organizations to solicit feedback on employee training and education from existing and potential businesses. Work with educational and vocational training facilities to ensure that existing and future training needs are being met. Work with businesses and the chambers of commerce to pursue on-the-job training options where possible.	ED.P-6, ED.P-12	County Administrator's Office	General Fund	Ongoing

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ED.I-8: Support the Solano EDC, the California Workforce Investment Board, the Workforce Investment Board of Solano County, and other agencies involved in the development of measurable economic development objectives and benchmarks. Continuously evaluate past performance and consider changes to improve future success.	ED.P-7	County Administrator's Office	General Fund	Every 5 years
ED.I-9: Work with the U.S. Department of Defense and Solano County's congressional delegation to seek and pursue funding to support the economic role and mission of Travis Air Force Base. Work with cities and continue to preserve land within the Travis Reserve Area to allow for base expansion. If the status of the base changes, the construction of nonmilitary airport and support uses may be permitted.	ED.P-11, TC.P-21	County Administrator's Office	General Fund	Ongoing
Transportation and Circulation				
<i>General Transportation—Funding, Physical Improvements, and Capital Projects</i>				
TC.I-1: Require the purchase of energy-efficient or alternative-fuel County vehicles when fleet upgrades occur.	TC.P-6, RS.P-49, RS.P-50, RS.P-51, RS.P-52, RS.P-54, RS.P-56	All departments	General Fund	Ongoing
<i>General Transportation—Development Review</i>				
TC.I-2: Promote development review and mitigation (including the use of transportation impact fees) that focuses on upgrading county roads to County design standards if the new development significantly contributes to the need to upgrade these roads, whether the new development occurs inside or outside of a city.	TC.P-5, TC.P-7	Public Works; Department of Resource Management	Development fees	Ongoing
<i>General Transportation—Ongoing Planning Efforts, Public Outreach, and Education</i>				
TC.I-3: Support regular monitoring of the transportation system by the California Department of Transportation and the Solano Transportation Authority, with emphasis on studying congested areas to identify the cause, duration, and severity of the congestion, and potential traffic management solutions.	TC.P-1, TC.P-8, TC.P-10	Public Works; Caltrans; Solano Transportation Authority	General Fund; federal and state funds	Ongoing

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TC.I-4: Work with the Solano Transportation Agency to offer financing programs for the purchase or lease of vehicles used in employee ridesharing programs.	TC.P-6	Public Works; Caltrans; Solano Transportation Authority	General Fund; federal and state funds	Ongoing
TC.I-5: In cooperation with the Solano Transportation Agency, provide public education about options for reducing motor vehicle-related greenhouse gas emissions. Include information on trip reduction, trip linking, public transit, biking and walking, vehicle performance and efficiency, low- and zero-emissions vehicles, and ridesharing.	TC.P-6	Public Works; Solano Transportation Authority	General Fund	Ongoing
TC.I-6: Work with Solano Transportation Authority to create an online ridesharing program that matches potential carpoolers immediately.	TC.P-6	Public Works; Solano Transportation Authority	General Fund	Ongoing
<i>Roadways—Regulations</i>				
TC.I-7: Adopt road construction standards that account for flood hazards for public roads used as evacuation routes.	TC.P-11	Department of Resource Management; Solano County Office of Emergency Services	Federal and state funds; General Fund	Ongoing
TC.I-8: Adopt road construction standards that account for the needs of pedestrians, bicyclists, and transit.	TC.P-15, TC.P-19, TC.P-24, TC.P-25, TC.P-26	Public Works; Solano Transportation Authority	General Fund	Ongoing
<i>Roadways—Funding, Physical Improvements, and Capital Projects</i>				
TC.I-9: Maintain an inventory of roadway conditions and widths so that an upgrade and replacement program can be developed and implemented for these facilities.	TC.P-8, TC.P-11	Department of Resource Management	General Fund	Ongoing
TC.I-10: Prioritize, secure funding for, design, and build new roadways and complete roadway improvements using the established Capital Improvement Program process to implement the circulation system shown in the General Plan Circulation diagram (Figure TC-1). Ensure that future roadways meet design specifications and performance criteria for each roadway classification.	TC.P-8, TC.P-10, TC.P-12, TC.P-13	Department of Resource Management	Determined and prioritized by Capital Improvement Program	Determined and prioritized by Capital Improvement Program

Solano County General Plan Implementation Programs				
Implementation Program	Related Policies	Agency/Department	Funding Source	Time Frame
<i>Roadways—Development Review</i>				
TC.I-11: Review roadway widening needs on major county roadways when reviewing proposed new developments to ensure that adequate right-of-way will be available.	TC.P-13	Department of Resource Management	Development fees	Ongoing
<i>Roadways—Ongoing Planning Efforts, Public Outreach, and Education</i>				
TC.I-12: Create a comprehensive plan of roadway improvements that support agricultural needs. The plan should include increased connectivity across Interstate 80 for farmers and their equipment, improvement of roads that serve agricultural-tourist centers in Suisun and other interior valleys, and grading and paving of unimproved rural roads that serve agricultural areas throughout the county. The plan should specifically address the Pedrick Road/Interstate 80 interchange area and additional roadway improvements needed to support the Limited Industrial area northeast of Dixon.	TC.P-9, TC.P-10	Department of Resource Management; Agricultural Commissioner	General Fund; Grant funds	Ongoing
<i>Bus Transit—Funding, Physical Improvements, and Capital Projects</i>				
TC.I-13: Support development of transit facilities in strategic locations such as at interchanges and in areas of concentrated activity.	TC.P-14, TC.P-19	Local transit operators; Department of Resource Management	Federal and state funds	Ongoing
TC.I-14: Respond to transit operators' efforts when they propose changes to bus stop locations to improve rider safety or convenience, or to improve bus travel speeds or to improve paratransit services.	TC.P-15, TC.P-19	Local transit operators; Department of Resource Management	General Fund	Ongoing
<i>Rail Services—Funding, Physical Improvements, and Capital Projects</i>				
TC.I-15: Participate in programs to construct overpasses or underpasses at potentially dangerous and high-volume street locations that cross active railroad tracks.	TC.P-18	Department of Resource Management	Federal and state funds	Ongoing
<i>Rail Services—Coordination with Other Agencies and Organizations</i>				
TC.I-16: Support responsible improvements to track capacity so that both passenger and freight rail, including transportation of hazardous materials, can be operated without delays through Solano County.	TC.P-18, TC.P-19	Department of Resource Management	Federal and state funds	Ongoing

Solano County General Plan Implementation Programs				
Implementation Program	Related Policies	Agency/Department	Funding Source	Time Frame
TC.I-17: Support continued development of new train stations at Vacaville/Fairfield, Dixon, and Benicia to improve local access to regional rail service. Continue to support cities' efforts to locate higher density transit-oriented developments near the existing Capitol Corridor passenger rail line. Support improved rail access for Travis Air Force Base and Mare Island.	TC.P-18, TC.P-19	Board of Supervisors; Department of Resource Management; Public Works	General Fund; federal and state funds	Ongoing
<i>Air Transportation—Regulations</i>				
TC.I-18: Apply appropriate site planning practices and development standards in areas near general-aviation airports and heliports so that aircraft are not disturbed by nearby buildings, overhead wires, cell phone towers, or other possible obstructions.	TC.P-20	Department of Resource Management	Development fees	Ongoing
TC.I-19: Discourage residential land uses near general-aviation airports and heliports so that residents will not be disturbed by aircraft noise.	TC.P-20	Department of Resource Management	Development fees	Ongoing
<i>Port Facilities and Ferries—Coordination with Other Agencies and Organizations</i>				
TC.I-20: Encourage the use of water transportation when industrial and commercial uses are proposed near deepwater channels.	TC.P-22	Department of Resource Management	Development fees	Ongoing
<i>Nonmotorized Facilities—Funding, Physical Improvements, and Capital Projects</i>				
TC.I-21: Design, construct, and maintain bicycle routes as described in the Countywide Pedestrian and Bicycle Plan and ensure that adequate signs and pavement markings are provided.	TC.P-24	Department of Resource Management	Determined and prioritized by Capital Improvement Program	Determined and prioritized by Capital Improvement Program
TC.I-22: Pursue roadway-improvement project funding to complete bicycle path linkages between Solano County communities.	TC.P-24	Department of Resource Management	Grant funds; General Fund	Determined and prioritized by Capital Improvement Program

Solano County General Plan Implementation Programs				
Implementation Program	Related Policies	Agency/Department	Funding Source	Time Frame
TC.I-23: Support applications to fund new bicycle and pedestrian facilities that close gaps in the system.	TC.P-24	Department of Resource Management	Determined and prioritized by Capital Improvement Program	Determined and prioritized by Capital Improvement Program
TC.I-24: Ensure that funding priorities for investment in transportation system improvements are consistent with the land use and economic development goals and policies of the General Plan, especially as these relate to transit-supportive development and are consistent with the Regional Transportation Plan.	TC.P-24, TC.P-25, TC.P-26	Department of Resource Management	Determined and prioritized by Capital Improvement Program	Determined and prioritized by Capital Improvement Program
<i>Nonmotorized Facilities—Development Review</i>				
TC.I-25: Require projects to facilitate bicycle and walking access when feasible. Adopt development standards and design guidelines that support such access.	TC.P-25	Department of Resource Management	Determined and prioritized by Capital Improvement Program	Determined and prioritized by Capital Improvement Program
TC.I-26: Ensure that nonmotorized transportation systems are interconnected and include amenities such as secure bicycle parking.	TC.P-24, TC.P-25, TC.P-26	Department of Resource Management	Project Applicant	Determined and prioritized by Capital Improvement Program
<i>Nonmotorized Facilities—Ongoing Planning Efforts, Public Outreach, and Education</i>				
TC.I-27: Continue to participate in the Safe Routes to School program.	TC.P-25	Department of Resource Management	Determined and prioritized by Capital Improvement Program	Determined and prioritized by Capital Improvement Program

Solano County General Plan Implementation Programs				
Implementation Program	Related Policies	Agency/Department	Funding Source	Time Frame
Public Facilities and Services				
<i>General—Funding, Physical Improvements, and Capital Projects</i>				
PF.I-1: Use the County's Capital Improvement Program to identify, plan, and provide for future public facilities and improvements. Capital Improvement Program projects shall be reviewed annually for consistency with General Plan policies and coordinated with current and future development.	PF.P-4, PF.P-1, PF.P-17	Department of Resource Management and Department of General Services	General Fund	Ongoing
PF.I-2: Investigate the feasibility of additional funding mechanisms (such as a CFD) to provide fire, EMS, and other services to unincorporated areas, including rural north Vacaville area, unincorporated areas around the City of Fairfield, and City of Dixon.	PF.P-1, PF.P-2, PF.P-5	Department of Resource Management	General Fund	Ongoing
PF.I-3: Review the County's current development fee schedule and revise it as necessary to ensure that the development fees reflect the facility improvements necessary to implement the General Plan and provide adequate levels of service. Storm drainage, roadways and transportation, parks, fire protection, law enforcement, libraries, and other fees should be considered.	PF.P-2, PF.P-8, TC.P-5	Department of Resource Management	General Fund	Ongoing
<i>General—Development Review</i>				
PF.I-4: Evaluate the level of services and funding needs of the various agencies and districts that will provide public facilities and services during project review to ensure that adequate levels of service are provided and facilities are maintained.	PF.P-7, PF.P-8	Department of Resource Management and local service agencies	General Fund	Ongoing
<i>General—Ongoing Planning Efforts, Public Outreach, and Education</i>				
PF.I-5: Work with the owners and operators of methane-producing facilities (e.g., landfills, dairies, wastewater treatment plants) to establish methane recovery and electricity generation systems.	PF.P-3	Department of Resource Management	General Fund	Ongoing
<i>General—Coordination with Other Agencies and Organizations</i>				
PF.I-6: Coordinate with the cities and the Solano County Local Area Formation Commission to ensure that urban development in areas included within the cities' municipal service area are served by a full range of urban services (e.g., public water and sewer,	PF.P-5, PF.P-1, PF.P-6, PF.P-17	Department of Resource Management	General Fund	Ongoing

Solano County General Plan Implementation Programs				
Implementation Program	Related Policies	Agency/Department	Funding Source	Time Frame
public transit, safety and emergency response services, parks, trails, open spaces) through city annexation.				
<i>Water Facilities and Service—Regulations</i>				
PF.I-7: Maintain the zoning ordinance to specify minimum lot sizes for properties with on-site sewage and on-site wells.	PF.P-18, PF.P-19	Department of Resource Management	General Fund	Ongoing
PF.I-8: Implement the recommendations from the <i>English Hills Specific Plan Groundwater Investigation</i> establishing minimum parcel sizes to ensure adequate groundwater supply and recharge for the English Hills area.	PF.P-9	Department of Resource Management	General Fund	Ongoing
PF.I-9: Adopt ordinances that require the use of water-efficient landscaping, water-conserving appliances and plumbing fixtures.	PF.P-20	Department of Resource Management; Solano County Water Agency	General Fund	Ongoing
<i>Water Facilities and Service—Funding, Physical Improvements, and Capital Projects</i>				
PF.I-10: Seek federal funds or grants to ensure protection of the County's public water supply and delivery infrastructure from natural disasters or acts of terrorism. Use these funds to develop a program to reduce such risks.	PF.P-12	Department of Resource Management; Solano County Water Agency	General Fund	Ongoing
<i>Water Facilities and Service—Development Review</i>				
PF.I-11: Continue to require preparation of a water supply assessment pursuant to the California Water Code to analyze the ability of water supplies to meet the needs of regulated projects, in the context of existing and planned future water demands. Review the availability of water to serve new developments in the unincorporated area before permitting such developments and ensure that the approval of new developments will not have a substantial adverse impact on water supplies for existing water users.	PF.P-9, PF.P-14	Department of Resource Management	General Fund	Ongoing
PF.I-12: Continue to work with water suppliers to ensure adequate future water supply and delivery. Review development proposals and require necessary studies, as appropriate, and water conservation and mitigation measures to ensure adequate water service.	PF.P-9, PF.P-17	Department of Resource Management	General Fund	Ongoing

Solano County General Plan Implementation Programs				
Implementation Program	Related Policies	Agency/Department	Funding Source	Time Frame
PF.I-13: Require new development proposing on-site water supplies in areas identified with marginal water supplies to perform a hydrologic assessment to determine whether project plans meet the County's hydrologic standards	PF.P-9, PF.P-11, PF.P-14	Department of Resource Management	General Fund	Ongoing
PF.I-14: Review plans for new development projects to ensure that they have provided for water on-site or through a public agency.	PF.P-15, PF.P-16	Department of Resource Management	General Fund	Ongoing
<i>Water Facilities and Service—Ongoing Planning Efforts, Public Outreach, and Education</i>				
PF.I-15: Investigate the potential for innovative recycled water systems in Solano County, such as the use of greywater for domestic and agricultural purposes, and identify sources of funding for implementation of these systems.	PF.P-3, PF.P-9, PF.P-11, PF.P-12	Solano County Water Agency; Department of Resource Management	General Fund	Ongoing
PF.I-16: Encourage water agencies to require water efficiency training and certification for landscape irrigation designers and installers, and property managers. Work with local partners and water suppliers to educate the public about water conservation options, including landscaping, irrigation, low-water appliances, and other measures the public can take to reduce water use. Encourage water suppliers to provide incentives for customers that use water more efficiently.	PF.P-11	Solano County Water Agency; Department of Resource Management	General Fund	Ongoing
PF.I-17: Assess water use in County-operated facilities and implement programs for efficient water use and wastewater reuse. Implement water conservation programs as defined by state law and develop new measures in response to community input and changing technology.	PF.P-11	Department of General Services	General Fund	Ongoing
<i>Water Facilities and Service—Coordination with Other Agencies and Organizations</i>				
PF.I-18: Encourage and assist water suppliers in providing incentives to encourage water conservation or reuse.	PF.P-3, PF.P-9, PF.P-11, PF.P-12	Solano County Water Agency; Department of Resource Management	General Fund	Ongoing
PF.I-19: Cooperate with water suppliers to accomplish the following: ► plan for and coordinate response to future water supply emergencies and droughts;	PF.P-9	Solano County Water Agency; Department of Resource Management	General Fund	Ongoing

Solano County General Plan Implementation Programs				
Implementation Program	Related Policies	Agency/Department	Funding Source	Time Frame
<ul style="list-style-type: none"> ▶ develop and implement measures to protect water quality at the source; and ▶ maintain and expand water supply through acquisition of new sources. 				
PF.I-20: Develop an information sharing program in cooperation with public water suppliers as necessary to make appropriate data available to the public pertaining to water supply and water use in each supplier's jurisdiction.	PF.P-9	Department of Resource Management; Solano County Water Agency	General Fund	Ongoing
PF.I-21: Cooperate with the Solano County Water Agency in the implementation of its Integrated Regional Water Management Plan and support the efforts of the Solano County Water Agency to maintain adequate water supply and high water quality. Help the Solano County Water Agency to improve water demand projections and planning. This could include updating the Urban Water Management Plan with population projections as found in the updated general plans of cities and the County.	PF.P-9, PF.P-10	Department of Resource Management; Solano County Water Agency	General Fund	Ongoing
<i>Sewer and Wastewater—Regulations</i>				
PF.I-22: Review and revise the County Code to ensure it incorporates current best practices to minimize the impacts of on-site septic systems and sewage treatment systems. This revision should address standards within chapters 6.4, 12.2, 13.10, 26, 28, and 31 of the County code.	PF.P-21, PF.P-22	Department of Resource Management	General Fund	By 2011
<i>Sewer and Wastewater—Development Review</i>				
PF.I-23: When reviewing development proposals, <ul style="list-style-type: none"> ▶ Require septic systems to be located outside of primary groundwater recharge areas, or where that is not possible, require shallow leaching systems for disposal of septic effluent. ▶ Require new septic systems or leach fields to be installed at least 100 feet away from natural waterways, including perennial or intermittent streams, seasonal water channels, and natural bodies of standing water. Make an exception for the repair of existing systems if the 100 foot setback area cannot be maintained and if adequate provisions are made for protecting water quality. 	PF.P-21, PF.P-22	Department of Resource Management	General Fund	Ongoing

Solano County General Plan Implementation Programs				
Implementation Program	Related Policies	Agency/Department	Funding Source	Time Frame
<ul style="list-style-type: none"> ▶ Require the use of alternative wastewater treatment techniques to respond to site characteristics, as determined by the California Department of Health Services and regional water quality control boards. ▶ Require new development with septic systems to be designed so as to prevent nitrates and other pollutants of concern from septic disposal systems from impairing groundwater quality. 				
PF.I-24: On-site sewage disposal systems for individual lots and subdivisions may be operated by private property owners. A public agency shall manage a centralized community sewage disposal system. If lands proposed to be served by a community sewage disposal system are not within the boundaries or service area of an existing public sewage treatment agency, the Board of Supervisors shall, as a condition of development, designate a public agency to provide and manage the public sewer service. Sewer treatment facilities shall be designed to provide sewer service to existing developed areas, areas designated for commercial or industrial uses, or areas designated for rural residential development when part of a specific plan or policy plan overlay. An analysis of the financial viability of constructing, operating, and maintaining a proposed community sewage disposal system shall be required.	PF.P-21	Department of Resource Management	General Fund	Ongoing
<i>Sewer and Wastewater—Ongoing Planning Efforts, Public Outreach, and Education</i>				
PF.I-25: Continue to enforce the abatement of failing septic systems that have been demonstrated as causing a health and safety hazard.	PF.P-22	Department of Resource Management	General Fund	Ongoing
PF.I-26: Continue inspection of individual sewage facilities to ensure they are not adversely affecting water quality.	PF.P-22	Department of Resource Management	General Fund	Ongoing
<i>Solid Waste—Regulations</i>				
PF.I-27: Amend the General Plan following completion of the update of Integrated Waste Management Plan to identify the location of solid waste disposal facilities planned for the future. The Public/Quasi-Public land use designation applied to the Potrero Hills Landfill shall be limited to only a solid waste facility	PF.P-23, PF.P-24, PF.P-25, PF.P-26, PF.P-27, PF.P-28, PF.P-29, PF.P-30, PF.P-31	Department of Resource Management	General Fund	Ongoing

Solano County General Plan Implementation Programs				
Implementation Program	Related Policies	Agency/Department	Funding Source	Time Frame
that is established consistent with Solano County's Suisun Marsh Local Protection Program and <i>Suisun Marsh Protection Plan</i> .				
<i>Solid Waste—Development Review</i>				
PF.I-28: Require that demolition projects submit a plan to maximize reuse of building materials at the time of permit application.	PF.P-26, PF.P-27	Department of Resource Management	General Fund	Ongoing
<i>Solid Waste—Ongoing Planning Efforts, Public Outreach, and Education</i>				
PF.I-29: Expand waste minimization efforts, including household recycling, food waste and green waste recycling, business paper recycling, and construction and demolition recycling. Require commercial and industrial recycling. Require building projects to recycle or reuse a minimum of 50 percent of unused or leftover building materials.	PF.P-26, PF.P-27	Department of Resource Management	General Fund	Ongoing
<i>Solid Waste—Coordination with Other Agencies and Organizations</i>				
PF.I-30: Update and implement the Solano County Integrated Waste Management Plan and Solano County Hazardous Waste Management Plan to implement specific policies within this section regarding planning and implementation of solid waste and hazardous waste programs.	PF.P-23, PF.P-24, PF.P-25, PF.P-26, PF.P-27, PF.P-28, PF.P-29, PF.P-30	Department of Resource Management	General Fund	Ongoing
<i>Drainage—Funding, Physical Improvements, and Capital Projects</i>				
PF.I-31: Design, construct, and maintain County buildings, roads, bridges, drainage, and other facilities to minimize sediment and other pollutants in stormwater flows. Develop and implement best management practices for ongoing maintenance and operation. Prepare and implement a BMP manual for minimizing stormwater pollutants associated with construction and maintenance of County buildings, roads, and other facilities.	PF.P-11, PF.P-33, RS.P-71	Department of Resource Management	As identified in Capital Improvement Program	Ongoing
<i>Drainage—Development Review</i>				
PF.I-32: As a condition of project approval, require new development to provide adequate on-site and off-site stormwater and drainage facilities to control both direct and indirect erosion and discharges of pollutants and/or sediments so that “no net	PF.P-33, PF.P-35	Department of Resource Management	General Fund	Ongoing

Solano County General Plan Implementation Programs				
Implementation Program	Related Policies	Agency/Department	Funding Source	Time Frame
increase in runoff" occurs as a result of the proposed project. To determine the needs for facilities and best management practices, the County will require, when necessary, that a licensed and County-approved civil engineer perform a hydrological/drainage analysis. The project applicant would be responsible for the cost of this analysis.				
PF.I-33: Require that future development in the Limited Industrial area northeast of Dixon be consistent with applicable drainage studies and regional drainage plans applicable to the area, in coordination with the City of Dixon, Resource Conservation Districts and other agencies. Prior to development of this area, the applicant shall enter into a development agreement with the County specifying how drainage and traffic impacts would be mitigated. The County shall work in cooperation with the City of Dixon, Resource Conservation Districts and other agencies in determining impacts and mitigation strategies.	L.U.P-28, PF.P-34, PF.P-35	Department of Resource Management	General Fund	Ongoing
<i>Drainage—Ongoing Planning Efforts, Public Outreach, and Education</i>				
PF.I-34: Provide incentives (such as water quality credits, larger paved areas, or other site plan considerations) for replacing areas that use extensive impermeable materials with permeable materials for surfaces such as driveways, parking lots, and sidewalks in the unincorporated county.	PF.P-32, PF.P-33, PF.P-34	Department of Resource Management	General Fund	Ongoing
<i>Fire Protection and Emergency Services—Development Review</i>				
PF.I-35: Coordinate with the fire districts and CAL FIRE during project review to ensure that all new development incorporates appropriate fire-safety techniques, including fire-safe building materials, early-warning systems, adequate clear spaces and fuel reduction, adequate escape routes and facilities, fire breaks, and sufficient water supply systems for fire suppression.	PF.P-39	Department of Resource Management	General Fund	Ongoing
<i>Fire Protection and Emergency Services—Funding, Physical Improvements, and Capital Projects</i>				
PF.I-36: Collaborate with fire districts to evaluate additional funding options to improve infrastructure needed for fire protection.	PF.P-38	Department of Resource Management	General Fund	Ongoing

Solano County General Plan Implementation Programs				
Implementation Program	Related Policies	Agency/Department	Funding Source	Time Frame
<i>Fire Protection and Emergency Services—Ongoing Planning Efforts, Public Outreach, and Education</i>				
PF.I-37: Support incentives, such as streamlined permitting and fee reductions that encourage compliance with fire safety requirements.	PF.P-38	Department of Resource Management	General Fund	Ongoing
PF.I-38: Support public education programs that encourage compliance with fire safety requirements.	PF.P-38	Department of Resource Management; Fire Districts; CAL FIRE	General Fund	Ongoing
<i>Fire Protection and Emergency Services—Coordination with Other Agencies and Organizations</i>				
PF.I-39: In cooperation with fire districts, investigate options to improve service, such as merging districts, increasing training opportunities, and sharing and obtaining essential equipment.	PF.P-38	Department of Resource Management; Local Agency Formation Commission	General Fund	Ongoing
PF.I-40: Maintain, and expand as necessary to meet demand, the emergency services dispatch system that coordinates fire, emergency medical, and law enforcement response.	PF.P-38	Fire districts; Solano Emergency Medical Services Cooperative	General Fund	Ongoing
PF.I-41: Continue to work collaboratively with countywide emergency service agencies to develop mutual aid and response agreements. Facilitate the development of mutual aid agreements among the fire districts to ensure acceptable response times for all areas of the county.	PF.P-38	Office of Emergency Services; Fire districts, Solano Emergency Medical Services Cooperative	General Fund	Ongoing
<i>Law Enforcement—Development Review</i>				
PF.I-42: Coordinate with the sheriff to identify and consider the impact on law enforcement services during project review.	PF.P-41	Department of Resource Management	General Fund	Ongoing
<i>Law Enforcement—Ongoing Planning Efforts, Public Outreach, and Education</i>				
PF.I-43: Work with criminal justice agencies and community groups to support programs that offer information about crime prevention techniques.	PF.P-40	Solano County Office of the Sheriff	General Fund	Ongoing
<i>Law Enforcement—Coordination with Other Agencies and Organizations</i>				
PF.I-44: Maintain adequate staffing levels, equipment and resources, and undertake disaster preparedness training as necessary to provide essential law enforcement and emergency services.	PF.P-40	Solano County Office of the Sheriff	General Fund	Ongoing

Solano County General Plan Implementation Programs				
Implementation Program	Related Policies	Agency/Department	Funding Source	Time Frame
PF.I-45: Work with schools and community groups to identify individuals who show early signs of potential for criminal activity. Develop a support program, based in psychology, to counsel these individuals.	PF.P-40	Solano County Office of the Sheriff	General Fund	Ongoing
<i>Public Education—Ongoing Planning Efforts, Public Outreach, and Education</i>				
PF.I-46: Integrate parks and recreation open space corridors and trails where appropriate into existing and future school and community college sites to maximize the benefits of recreational experience as part of the education process. Where possible, pursue joint use sites to allow for shared recreation and education facilities to maximize their use.	PF.P-43, PF.P-45	Department of Resource Management; Solano County Office of Education	General Fund	Ongoing
<i>Public Education—Coordination with Other Agencies and Organizations</i>				
PF.I-47: Continue to work with the school and community college districts to ensure adequate sites are available in the community and that impact fees are assessed correctly.	PF.P-42, PF.P-43, PF.P-44, PF.P-45	Department of Resource Management; Solano County Office of Education	General Fund	Ongoing
PF.I-48: Work with First 5 Solano Children and Families Commission and the Solano County Office of Education to implement the Solano County Preschool for All Plan.	PF.P-45	Department of Resource Management; Department of Health and Social Services; Solano County Office of Education	General Fund	Ongoing
PF.I-49: Encourage education providers to locate future schools within urban areas to achieve the most efficient use of facilities, in particular allowing for the provision of child care and preschool programs.	PF.P-42, PF.P-43	Department of Resource Management; Solano County Office of Education	General Fund	Ongoing
PF.I-50: Coordinate with the Solano County Office of Education to provide a career center, providing vocational skills training and college extension classes from the University of California, Davis, and other colleges and universities.	PF.P-45	Department of Resource Management; University of California Cooperative Extension; Solano Community College	General Fund	Ongoing
<i>Community Facilities—Funding, Physical Improvements, and Capital Projects</i>				
PF.I-51: Community facilities should be identified and developed through the Capital Improvement Program.	PF.P-46, PF.P-47	Department of General Services	General Fund	Ongoing

Solano County General Plan Implementation Programs				
Implementation Program	Related Policies	Agency/Department	Funding Source	Time Frame
<i>Community Facilities—Ongoing Planning Efforts, Public Outreach, and Education</i>				
PF.I-52: Identify and consider opportunities for libraries and other community facilities to share facilities and services.	PF.P-45	Department of General Services; Solano County Library	General Fund	Ongoing
<i>Community Facilities—Coordination with Other Agencies and Organizations</i>				
PF.I-53: Actively support implementation of facility and service strategic plans, including <i>the Solano County Library Facilities Master Plan</i> (2001) and Solano County Library Strategic Plan (2006).	PF.P-46, PF.P-47, PF.P-48	Department of Resource Management; Department of General Services; Solano County Library	General Fund	Ongoing
<i>Utilities—Coordination with Other Agencies and Organizations</i>				
PF.I-54: Direct utility companies to locate transmission lines within existing rights-of-way or other locations that minimize impacts on human populations and natural areas.	PF.P-49, PF.P-50	Department of Resource Management	General Fund	Ongoing
PF.I-55: Encourage local utility companies to provide high-speed wireless internet access for all residents; prioritize developing transmission lines for solar, wind, and other alternative energy sources; and ensure resiliency and redundant access to the utility grid.	PF.P-49, PF.P-50, PF.P-51, PF.P-52	Department of Resource Management	General Fund	Ongoing