

### Environment Mitigation Strategies

2009-2010 Strategy Number	2005 Original Strategy Number	Specific Mitigation Strategy	Applicable Hazards	Priority (CHECK ONLY ONE)										Responsible Agency or Department (Required if Existing Program, Existing Program under funded, Very High, High, or Under Study)	Ordinance or Resolution # (if existing program), Estimated Cost and Possible Funding Agency (if high priority), Estimated Date of Completion (if study), WHY if not same as regional priority, OR Other Comments	
				Existing Program	Existing Program, underfunded	Very High - Unofficial Program-Becomes Official on Plan Adoption, no funding needed	High - Actively Looking for Funding	Moderate	Under Study	Not Applicable, Not Appropriate, or Not Cost Effective	Not Yet Considered					
ENVI - a - Environmental Sustainability and Pollution Reduction																
a-1	a-1	Continue to enforce State-mandated requirements, such as the <i>California Environmental Quality Act</i> , to ensure that mitigation activities for hazards, such as seismic retrofits and vegetation clearance programs for fire threat, are conducted in a way that reduces environmental degradation such as air quality impacts, noise during construction, and loss of sensitive habitats and species, while respecting the community value of historic preservation.	EQ LS WF FL DR SEC	X										Engineering, Community Development	Existing development standards.	
a-2	a-2	Encourage regulatory agencies to work collaboratively with safety professionals to develop creative mitigation strategies that effectively balance environmental and safety needs, particularly to meet critical wildfire, flood, and earthquake safety levels.	EQ WF FL SEC	X										Engineering, Community Development	Existing development standards.	
a-3	a-3	Continue to enforce and/or comply with State-mandated requirements, such as the <i>California Environmental Quality Act</i> and environmental regulations to ensure that urban development is conducted in a way to minimize air pollution. For example, air pollution levels can lead to global warming, and then to drought, increased vegetation susceptibility to disease (such as pine bark beetle infestations), and associated increased fire hazard.	LS WF FL DR SEC	X										Engineering, Community Development	Existing development standards.	
a-4	a-4	Develop and implement a comprehensive program for watershed <b>management</b> optimizing <b>ecosystem</b> health with water yield to balance water supply, flooding, fire, and erosion concerns.	LS WF FL DR SEC										X	Contra Costa County Flood Control District	Not appropriate - County Flood Control District jurisdiction.	
a-5	a-5	Balance the need for the smooth flow of storm waters versus the need to maintain wildlife habitat by developing and implementing a comprehensive Streambed Vegetation Management Plan that ensures the efficacy of flood control efforts, <b>mitigates wildfires</b> and maintains the viability of living rivers.	LS WF FL DR												X	Not cost effective.

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a-6	a-8	Comply with applicable performance standards of any <i>National Pollutant Discharge Elimination System</i> municipal stormwater permit that seeks to manage increases in stormwater run-off flows from new development and redevelopment construction projects.	FL	X								Engineering, Community Development	Existing development standards.
a-7	a-9	Enforce and/or comply with the grading, erosion, and sedimentation requirements by prohibiting the discharge of concentrated stormwater flows by other than approved methods that seek to minimize associated pollution.	LS FL	X								Engineering, Community Development	Existing development standards.
a-8	a-10	Explore ways to require that hazardous materials stored in the flood zone be elevated or otherwise protected from flood waters.	FL	X							X		Not applicable.
a-9	a-11	Enforce and/or comply with the hazardous materials requirements of the State of California Certified Unified Program Agency (CUPA).	EQ LS WF FL SEC	X							X		Not applicable.
a-10	a-12	Provide information on hazardous waste disposal and/or drop off locations.	EQ LS WF FL SEC	X								City Manager	Included in City newsletter and community access channel. <b>Need to add link on City website.</b>
a-11	new	<b>When remodeling existing government and infrastructure buildings and facilities, remove asbestos to speed up clean up of buildings so that they can be reoccupied more quickly.</b>	EQ LS WF FL SEC								X	Contra Costa County Building Department	Not applicable - County Building Department jurisdiction.
a-12	a-13	Develop and implement a program to control invasive and exotic species that contribute to fire and flooding hazards (such as eucalyptus, cattails, and cordgrass). <b>This program could include vegetation removal, thinning, or replacement in hazard areas where there is a direct threat to structures.</b>	WF FL	X								Maintenance	Ongoing program.

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a-13	a-14	Enforce provisions under creek protection, stormwater management, and discharge control ordinances designed to keep watercourses free of obstructions and to protect drainage facilities to conform with the Regional Water Quality Control Board's Best Management Practices.	FL	X								Engineering, Community Development	Existing development standards.
<b>ENVI - b - Climate Change</b>													
b-1	a-6 + a-7	Stay informed of scientific information compiled by regional and state sources on the subject of rising sea levels and global warming, especially on additional actions that local governments can take to mitigate this hazard including special design and engineering of government-owned facilities in low-lying areas, such as wastewater treatment plants, ports, and airports.	LS WF FL DR								X		Not applicable - no ocean or bay shoreline within City jurisdiction.
b-2	new	Inventory global warming emissions in your own local government's operations and in the community, set reduction targets and create an action plan.	LS WF FL DR								X		Not cost effective.
b-3	new	Adopt and enforce land-use policies that reduce sprawl, preserve open space, and create compact, walkable urban communities.	LS WF FL DR	X								Community Development	Ongoing program.
b-4	new	Promote transportation options such as bicycle trails, commute trip reduction programs, incentives for car pooling and public transit.	LS WF FL DR	X								Community Development	Ongoing program.
b-5	new	Increase the use of clean, alternative energy by, for example, investing in "green tags", advocating for the development of renewable energy resources, recovering landfill methane for energy production, and supporting the use of waste to energy technology.	LS WF FL DR								X		Not yet considered.
b-6	new	Make energy efficiency a priority through building code improvements, retrofitting city facilities with energy efficient lighting and urging employees to conserve energy and save money.	LS WF FL DR								X		Not yet considered.

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b-7	new	<b>Purchase only Energy Star equipment and appliances for local government use.</b>	LS WF FL DR			X						City Clerk	Ongoing program.
b-8	new	<b>Practice and promote sustainable building practices using the U.S. Green Building Council's LEED program or a similar system.</b>	LS WF FL DR							X		Contra Costa County Building Department	Not applicable - County Building Department jurisdiction.
b-9	new	<b>Increase the average fuel efficiency of municipal fleet vehicles; reduce the number of vehicles; launch an employee education program including anti-idling messages; convert diesel vehicles to bio-diesel.</b>	LS WF FL DR					X				Maintenance	If money fell from the sky...
b-10	new	<b>Evaluate opportunities to increase pump efficiency in water and wastewater systems; recover wastewater treatment methane for energy production.</b>	LS WF FL DR							X			Not applicable - City does not own or operate any water or wastewater systems.
b-11	new	<b>Increase recycling rates in local government operations and in the community.</b>	LS WF FL DR	X								City Manager	Ongoing program.
b-12	new	<b>Maintain healthy urban forests; promote tree planting to increase shading and to absorb CO2.</b>	LS WF FL DR	X								Maintenance	Ongoing program.
b-13	new	<b>Help educate the public, schools, other jurisdictions, professional associations, business and industry about reducing global warming pollution.</b>	LS WF FL DR							X			Not cost effective.
<b>ENVI - c - Agricultural and Aquaculture Resilience</b>													
c-1	b-1	Maintain a variety of crops in rural areas of the region to increase agricultural diversity and crop resiliency. <b>RESPONSIBLE AGENCIES: County Offices of the Agricultural Commissioner.</b>	Ag DR SEC							X			Not appropriate - Office the County Agricultural Commissioner's jurisdiction.

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c-2	b-2	Promote and maintain the public-private partnerships dedicated to preventing the introduction of agricultural pests into regionally-significant crops, such as the glassy-winged sharpshooter into vineyards. <b>RESPONSIBLE AGENCIES: County Offices of the Agricultural Commissioner.</b>	Ag DR SEC										X		Not appropriate - Office the County Agricultural Commissioner's jurisdiction.
c-3	b-4	Encourage livestock operators to develop an early-warning system to detect animals with communicable diseases (due to natural causes or bioterrorism). <b>RESPONSIBLE AGENCIES: County Health Department and Office of the County Agricultural Commissioner.</b>	Ag Flu SEC										X		Not appropriate - County Health Department and Office of the County Agricultural Commissioner's jurisdiction.
deleted	b-3	(deleted since not a disaster-related strategy)											X		Deleted.