

UNINCORPORATED KINGS COUNTY COMMUNITY PROFILE



There are four main community areas in unincorporated Kings County—Armona, Home Garden, Kettleman City, and Stratford. The Board of Supervisors is the governing body for Kings County and many special districts. Each of the five members of the board is elected on a nonpartisan basis to a four-year term.

Geography and Climate

Kings County encompasses approximately 1,391 square miles. It is located slightly south of the geographic center of California and occupies part of the San Joaquin Valley and a portion of the eastern slope of the California Coast Ranges. Kings County is bounded on the southwest by the Coast Ranges, on the north and west by Fresno County, to the east by Tulare County, and to the south by Kern County. Several unincorporated communities are also located within the County, as well as the Naval Air Station Lemoore, and Santa Rosa Rancheria. A majority of the population within unincorporated Kings County is located in the four unincorporated communities of Armona, Home Garden, Kettleman City, and Stratford.

Most of the county is relatively flat. However, elevation ranges from a low of 175 feet above mean sea level in the Tulare Lakebed, to 3,500 feet above mean sea level in the southwest, where the Kettleman Hills and the Kreyenhagen Hills are located. The county is located in the Tulare Lake hydrologic region that comprises the extreme southern portion of the Central Valley. The rivers in this region include the Kings, Kaweah, Tule, and Kern, which all historically drained into the Tulare Lake. The lake was once of substantial size during wet periods but over time, reclamation districts built levees and reclaimed the more than 200,000-acre lakebed for agriculture. The four rivers were diverted upstream and canals were built to drain the lake.

The climate in Kings County can be classified as Mediterranean with average rainfall rates of 7.6 inches annually, occurring primarily between November and April. The average annual temperature is 62 degrees Fahrenheit (°F), although it is not unusual for summer readings to reach well over 100°F. Extreme winter lows fall into the teens on rare occasions. The first freeze usually occurs in December and the last in March. Fog is common during the winter months and can settle in for periods of up to two weeks.

Both Interstate 5 and Highway 198 cross the county and connect to State Routes 41 and 43 and a network of other state highways and county roads. Kings County is served by the Burlington Northern Santa Fe Railroad, and the San Joaquin Valley Railroad. The nearest major airport is Fresno Yosemite International Airport, located approximately 30 miles north of the county line.

History

When the first white settlers arrived in Kings County, the indigenous population consisted of the Tache tribe of the Yokut Indians. The Yokuts controlled the entire San Joaquin Valley from the delta to Tejon Pass. The first white settlement was a ferry situated on the south bank of the Kings River where the Overland stage route crossed. Known as Kingston, this town was part of Tulare County until a bridge replaced the ferry in 1873, and the town went into decline and was abandoned.

A few small settlements followed the initial settlement at Kingston, but the first incorporated community was Lemoore, first surveyed in 1872. The Southern Pacific railroad arrived in the town in 1877, and the second permanent community began along the railroad tracks shortly after its arrival. Named for James Madison Hanford, the paymaster of the Southern Pacific, the second town was incorporated in 1891. Hanford became the county seat two years later, when Kings County was formed from the western half of Tulare County.

The early economy of the county centered on ranching and farming. The first vineyard was established in 1890 and the first dairy came three years later. Settlement in Kings County remained modest throughout much of the county's first century. The third incorporated community, Corcoran, was established along the San Francisco and San Joaquin Railroad in 1905. In 1929, the fourth incorporated town, Avenal, was established on the west side of the county following the discovery of oil in the hills.

Economy

It appears 2011 was the start of a rebuilding period for Kings County cities and unincorporated communities. Though property values remain low, there are some encouraging signs in the housing sector (Economic Development Corporation, 2012).

Per capita personal income in Kings County is consistently much lower than the State average. However, Kings County's per capita income has increased by 3.8% between 2005 and 2010, exceeding California's increase of 1.8% for the same period.

	<u>2005-2007</u>	<u>2006-2008</u>	<u>2007-2009</u>	<u>2008-2010</u>
Kings	\$16,951	\$18,041	\$17,217	\$17,604
California	\$28,049	\$29,405	\$28,990	\$28,551
U. S.	\$26,178	\$28,990	\$27,100	\$26,942

Source: U.S. Census American Community Survey

According to the Kings County 2011 Agricultural Crop Report, Kings County is among the largest producing agricultural counties in California. The gross value of all agricultural crops and products produced during 2011 in Kings County was \$2,219,529,000. This represents an increase of \$501,558,000 (29.2%) from the 2010 value and is a record high figure for the county.

Nearly all crop categories increased in value. Apiary Products increased \$108,000 (1.6%) attributed to increased pollination acres and price per colony. Field Crops increased \$163,974,000 (36.5%) due primarily to increased cotton acreage and yield, as well as the alfalfa hay price. Fruit and Nut Crops increased \$92,966,000 (29.1%) due in large part to increased production and price across the board, especially in nuts. Livestock and Poultry increased \$30,436,000 (18.9%) due to more cattle and calves sold and at a higher price. Livestock and Poultry Products increased \$243,473,000 (42.9%) due to increased milk production and price. Seed Crops increased \$52,000 (.7%) due to increased acreage.

Vegetable Crops were the only category to decrease, declining by \$29,451,000 (14.3%) due mainly to a decrease in processing tomato acreage

Population

The total estimated county population in 2010 was 152,982 up from 147,729 people in 2007. Population estimates for the unincorporated areas from the 2010 U.S. Census are included in the table below. Additionally, Kings County houses the Naval Air Station Lemoore and had a few small communities not served by special districts those communities are Grangeville and Hardwick.

Unincorporated Kings County Population, 2010 U.S. Census

Census-designated place	Total Population	White	African American	Native American	Asian	Pacific Islander	Other races	Two or more races	Hispanic or Latino (of any race)
Armona	4,156	2,058	99	64	85	13	1,597	240	2,784
Grangeville	469	393	15	5	5	0	41	10	145
Hardwick	138	63	5	0	0	0	67	3	86
Home Garden	1,761	652	221	63	50	8	677	90	1,189
Kettleman City	1,439	478	4	8	1	0	887	61	1,383
Lemoore Station	7,438	4,883	729	70	560	53	418	725	1,445
Stratford	1,277	574	16	17	19	1	617	33	1,069
All others not CDPs (combined)	17,488	11,304	377	755	267	18	3,991	776	7,851

HAZARD IDENTIFICATION

The official Planning Team for Kings County identified hazards that affect the county and developed hazard profiles based upon the countywide risk assessment, past events and their impacts.

Definitions for the rankings and a detailed explanation of the hazards can be found in Element B: Hazard identification and Risk Assessment.

Unincorporated Kings County—Hazard Profiles

Hazard	Probability of Occurrence	Potential Magnitude/Geographic Extent	Significance
Dam Failure	Unlikely	Catastrophic	Low
Drought	Occasional	Critical to Catastrophic	High
Earthquake	Occasional	Critical	High
Extreme Heat	Highly Likely	Limited	Medium
Flood	Likely	Critical	Medium
Fog	Highly Likely	Limited	Medium
Freeze	Likely	Limited	Medium
Landslide	Occasional	Negligible	Low
Soil Hazards: Expansive Liquefaction Erosion	Unlikely	Negligible	Low
Tornado	Occasional	Negligible	Low

Wildfire	Likely	Critical	Medium
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Past Events

Information on past events was provided in Element B: Hazard Identification and Risk Assessment.

Asset Inventory

The table that follows lists the critical facilities and other community assets identified by the county's Planning Team as important to protect in the event of a disaster.

Unincorporated Kings County—Critical Facilities and Community Assets

Facility	Replacement Value	Occupancy/Capacity
Kings County Government Center	\$89,800,000	
Kings County Historic Courthouse	Priceless	
Kings County Corporation Yard		
Kings County Fairgrounds		
Armona Fire Station No. 5	\$1,630,000	
Corcoran Fire Station No. 11	\$1,500,000	
Stratford Fire Station No. 10	\$1,250,000	
Avenal Fire Station No. 12	\$985,000	
Kettleman City Fire Station No. 9	\$1,290,000	
South Lemoore Fire Station No. 7	\$1,180,000	
Island Fire Station No. 6 (Lemoore)	\$1,050,000	
Hardwick Fire Station No. 2 (Hanford)	\$1,270,000	
Burris Park Fire Station No. 1 (Kingsburg)	\$1,350,000	
Kings County Health Department-Hanford Clinic	Unknown	
Kings County Health Department-Lemoore Clinic	\$1,075,000	
Kings County Health Department-Avenal Clinic	\$1,075,000	
Kings County Health Department-Corcoran Clinic	\$850,000	
Kings County Health Department-Kettleman Clinic	\$895,000	
Kings View Center – Medical Clinic	\$5,500,000	
San Joaquin Valley Railroad		
Burlington Northern Santa Fe Railroad		
Kettleman Hills Community Center		
Palace Indian Gaming Center		
Chemical Waste Management		
Kettleman City Wastewater Treatment		
Kettleman City CSD Office and Water		
Stratford PUD Wastewater Treatment		
Stratford PUD Water Well		
Stratford PUD Water Well		

Facility	Replacement Value	Occupancy/ Capacity
Stratford PUD Office		
Kettleman City CSD Water		
Kettleman City CSD Water		
Home Garden CSD Water Well		
Home Garden CSD Office		
Home Garden CSD Water Well		
<u>Power Stations</u>		
Substation - Kettleman Hills		
Substation - Chevron Pipeline Kettleman		
Substation - Tulare Lake		
Substation - Henrietta		
Substation - Angiola		
Substation - Jacobs Corner		
Substation - Guernsey		
Substation - Contadina		
Substation - Armstrong		
Substation - Reserce Oil		
Substation - Quebec Corcoran Prison		
Substation - Boswell		
Substation - Hardwick		
Pumping Plant - Las Perillas		
Pumping Plant - Badger Hill		
Power Switching Station - Armstrong		

More information on critical facilities in the county, including the California Aqueduct, the Kettleman Hills Hazardous Waste Facility, and the Lemoore Naval Air Station can be found in Element B.2 Vulnerability Assessment. The vulnerability assessment also provides information on the county's natural, historical, and cultural assets; economic assets; and social vulnerability to hazards. The assessment indicates that some of the unincorporated areas of the county are the most socially vulnerable in the county. As a general rule, the unincorporated communities tend to be more disadvantaged than their incorporated counterparts. Part of this trend shows there is a higher percentage of the population under the age of 18 and a higher percentage of ethnic origin that may be non-English speaking.

Estimating Potential Losses

The table on the following page shows the maximum population and building exposure by jurisdiction in Kings County in terms of population and the number and values of structures. As can be seen in the table on the following page, approximately 25% of the structures and value are found in the unincorporated areas of the county. More information on how these estimates were calculated can be found in Element B.3 Vulnerability Assessment.

Jurisdiction	Exposed Population	Buildings	
		Number	Value
Kings County Unincorporated Areas	34,1786	9,707	\$1,028,530,819
Avenal	15,505	1,754	\$128,111,815
Corcoran	24,813	2,966	\$257,957,828
Hanford	53,967	14,080	\$1,991,860,304
Lemoore	24,531	5,913	\$853,282,697
Total	152,982	34,420	\$4,259,743,463

Future Development Trends

Policies in the Kings County General Plan direct urban growth to the four incorporated cities and the four unincorporated communities of Armona, Home Garden, Kettleman City, and Stratford. Of the unincorporated communities, Home Garden is close to being completely developed and Stratford is nearing development capacity, but recent development interest lead to the adoption of Stratford Community Plan in 2010 that made allowance for an expanded community size through a specific plan that could potentially double the size. Current economic circumstances hinder that potential, but the plan is in place.

These areas are not likely to develop much further in the near future due primarily to decreased demand for new housing. Additional residential growth is likely to occur in Armona; however, the community is an area of lower vulnerability to natural hazards. Kettleman City is the community with the greatest potential for substantial commercial and some residential growth as a new surface water treatment system is currently being developed. Current commercial investment and growth include a new FedEx transfer facility being built on a 120,000 square foot turnaround facility to serve their west coast truck fleet, and a new 19,140 square foot multi commercial building being built by Bravo Farms.

One industry that has received a great deal of attention in Kings County the last three year is renewable energy. Multiple utility level solar photovoltaic companies are making investments in locations from Avenal on the west to Corcoran on the east. One of the Avenal projects, a 48 MW solar photovoltaic facility on approximately 400 acre is providing power to the California power grid. In addition, several other commercial solar projects are approved and in various planning stages moving towards construction. These permitted solar facilities comprise 684 MW on 4,073 acres (Kings County Community Development Agency, 2012)

The California High Speed Rail Authority is planning for a high speed rail system that is intended to connect the two major urban centers of Los Angeles and San Francisco. Approximately 800 miles of high speed rail service is envisioned. The first two segments are planned for construction between Merced and Bakersfield, with approximately 28 miles planned to cross through Kings County. In 2012, \$6.5 billion in Federal grant funding and State bond funding were allocated for the first two sections and intend to fund high speed rail alignment and rail construction through 2017. As this new transportation facility is planned to cross through the county near Corcoran and Hanford running north/south and requires a grade separated alignment, the creation of this facility will pose

a new permanent community dividing factor in the county. As specific design factors were not available at the time of this plan development, future construction designs will likely necessitate reassessment and revisions to this plan as the realities of this project are revealed.

CAPABILITY ASSESSMENT

Capabilities are the programs and polices currently in use to reduce hazard impacts or that could be used to implement hazard mitigation activities. The capability assessment is divided into five sections: regulatory, administrative and technical, fiscal, outreach and partnerships, and other mitigation efforts.

Regulatory Capability

The regulatory and planning capabilities table lists planning and land management tools typically used by local and tribal jurisdictions to implement hazard mitigation activities and indicates those that are in place in Kings County.

Unincorporated Kings County—Regulatory and Planning Capabilities

Regulatory Tool	Yes/No	Comments
General plan	Yes	Adopted January 26, 2010
Zoning ordinance	Yes	Adopted 1964, last amended 2011 Currently undergoing a comprehensive update
Subdivision ordinance	Yes	2001
Site plan review requirements	Yes	Will be updated as part of the Zoning Ordinance
Growth management ordinance	No	
Floodplain ordinance	Yes	Flood Damage Prevention Ordinance, updated March 2, 2010
Other special purpose ordinance (stormwater, steep slope, wildfire)	No	Fire Prevention and Protection Ordinance
Building code	Yes	Version: 2010 California Building Code
Fire department ISO rating	Yes	Rating: 4
Erosion or sediment control program	No	
Stormwater management program	No	Draft plan
Capital improvements plan	Yes	Draft 10-year plan
Economic development plan	Yes	Kings County Economic Development Corporation
Local emergency operations plan	Yes	2008, The plan will be updated in 2013

Kings County General Plan, 2010 - The General Plan was originally adopted in 1993 and included several subsequent amendments. A comprehensive General Plan update began in 2006 and resulted in the adoption of the 2035 Kings County General Plan on January 26, 2010, which replaced the 1993 General Plan in its entirety and added a new Health and Safety Element, and Air Quality Element. This update General Plan defines the County's goals, objectives and policies that guide the physical growth, use and development of land under the jurisdictional authority of the

County through the year 2035.

The purpose of the Health and Safety Element is to reduce or eliminate long term risk to people and property from natural or human caused hazards. Traditionally viewed as an element that focuses on planning for catastrophes, this element is now expanded to include community health and community safety related issues that are more commonly associated with the built environment as affecting the health and safety of residents living within the County. This element concentrates on those hazards and community factors which are within the responsibility of the County to mitigate. These include land use decisions and patterns of development that directly and indirectly affect the health, wellbeing and personal/property protection of county residents, and the mitigation of potential natural hazards. The Health and Safety Element integrates the County's Local Hazard Mitigation Plan and describes the location and extent of known hazards, and provides maps of hazardous land uses and evacuation routes.

Kings County, 2008 - The Emergency Operations Plan addresses the planned response to emergency situations associated with natural disasters, technological incidents, human caused events and national security emergencies in or affecting Kings County. The plan establishes the emergency management organization required to mitigate any significant emergency or disaster affecting Kings County; identifies the policies, responsibilities, and procedures required to protect the health and safety of communities, public and private property, and the environmental effects of natural, human caused and technological emergencies and disasters; and establishes the operational concepts and policies for disaster response and recovery. This plan will be revised and updated in 2013 to meet local, state and federal needs.

California Division of Forestry and Fire Protection (Cal FIRE) Fresno-Kings Unit Pre-Fire Management Plan, 2012 – The CAL FIRE has primary responsibility for fire protection for over 923,000 acres of direct protection lands in the Fresno-Kings Unit. Most of this area is in Fresno County. In Kings County, CAL FIRE direct protection areas are west of Highway 33. The pre-fire management plan assesses level of service, assets at risk, fuels, and weather to evaluate wildfire risk in the Fresno-Kings Unit. Priority areas and projects are identified for each battalion unit.

Emergency Services Ordinance, 1975 and 1982 - The purposes of this ordinance are to provide for the preparation and implementation of plans for the protection of people and property within the county in the event of an emergency; the direction of the emergency organization; and the coordination of the emergency functions of this county with the cities in the county and with all other public agencies, corporations, organizations, and affected private persons. The ordinance establishes the Kings Area Disaster Council and designates the membership of the council. Membership includes one member of the Kings County Board of Supervisors (director of emergency services), the assistant director of emergency services, a member of the city council from each of the cities, the emergency manager from each of the cities, and one member at large. The council's powers include the development of emergency and mutual aid plans and agreements and the ordinances and resolutions to implement them.

Fire Prevention and Protection Ordinance Section 10-16 and 10-17 – Requires every person with land or a building or structure upon land within the unincorporated area of the county, which has vegetation that is flammable or easily ignited and is adjacent to farming lands having flammable

vegetation or a highway, maintain an effective fire break of at least 20 feet in width on the outer boundary of the lands and/or around the building during fire season.

Flood Damage Prevention Ordinance, Updated 2010 - The purpose of this ordinance is to promote the public health, safety, and general welfare and to minimize public and private losses due to flood conditions in specific areas by provisions designed to:

- Protect human life and health
- Minimize expenditure of public money for costly flood control projects
- Minimize the need for rescue and relief efforts associated with flooding and generally undertaken at the expense of the general public
- Minimize prolonged business interruptions
- Minimize damage to public facilities and utilities such as water and gas mains, electric, telephone and sewer lines, and streets and bridges located in areas of special flood hazard
- Help maintain a stable tax base by providing for the sound use and development of areas of special flood hazard so as to minimize future blight areas
- Assist potential buyers in identifying properties that are in areas of special flood hazard
- Promote those who occupy the areas of special flood hazard assuming responsibility for their actions

Natural Resources and Conservation District – The Excelsior-Kings River Resource Conservation District, and the Tulare Lake Resource Conservation District are the county's two districts primarily responsible for preserving permanent open space land that protects natural watercourses, drainage basins, and sloughs, which are necessary to safeguard the health, safety, and welfare of people in rural and urban areas of the county. These districts facilitate the creation of facilities such as flood control channels, water pumping stations and reservoirs, irrigation ditches and canals, and ditch and canal rights-of-way, settling and water conservation recharging basins and parkways, and recreation areas, parks, playgrounds.

Administrative and Technical Capability

The table below identifies the county personnel responsible for activities related to mitigation and loss prevention in Kings County. Many positions are full time and/or filled by the same person. A summary of technical resources follows.

Unincorporated Kings County —Personnel Capabilities

Personnel Resources	Department/Position
Engineer and/or Planner with knowledge of land development/land management practices	County Community Development Agency; Public Works Director
Professional trained in construction practices related to buildings and/or infrastructure	County Community Development Agency/County Building Official, Public Works Director
Full time building official	County Community Development

	Agency/County Building Official
Floodplain manager	County Community Development Agency/County Building Official
Emergency manager	County Emergency Services Coordinator
Grant writer	YES various departments
Other	Office of Administration, Sheriff's Office, and Public Works Department

The Kings County Community Development Agency has a full-time GIS coordinator, who assists the cities and districts in the county with GIS data needs. Another technical capability is the Emergency Alert System public warning system operated by the Kings County Sheriff's Office. The access to the Emergency Alert System is also available through the National Weather Service office in Hanford.

Fiscal Capability

The following table identifies financial tools or resources that the county could potentially use to help fund mitigation activities. There are currently no specific funding sources for hazard mitigation.

Unincorporated Kings County —Available Financial Tools and Resources

Financial Resources	Accessible/ Eligible to Use	Comments
Community Development Block Grants	Yes	Kings County Community Development Agency administers program
Capital improvements project funding	Yes	State and federal funding channelled through Kings County Association of Governments and other county agencies such as Public Works
Authority to levy taxes for specific purposes	Yes	Must be approved by voters
Fees for water, sewer, gas, or electric services	No	Services provided through cities or districts and levied through property assessments
Impact fees for new development	Yes	Adopted development impact fees for law enforcement and fire
Incur debt through general obligation bonds	Yes	
Incur debt through special tax bonds	Yes	Requires approval by two-thirds of voters
Incur debt through private activities	Yes	Do not have any in place
Federal Grant Programs (Hazard Mitigation Grant Program)	Yes	Various Departments

Outreach and Partnerships

The Kings County Fire Department provides education and outreach on earthquake and fire safety. Other county departments with education programs include the Sheriff's Office, Agricultural Commissioner, and the Department of Public Health.

The "Are You Okay?" program is a free computerized telephone system provided by the Kings County Sheriff's Office to check on senior citizens or disabled/homebound individuals. It is available in the cities of Corcoran, Hanford, and Lemoore. This program could be enhanced to check on these vulnerable populations during extreme temperature events.

The Kings County Economic Development Commission meets regularly and works with the cities, county, state, utilities, existing businesses, financial institutions, and other interested parties to ensure that economic development programs are meeting community goals. The commission works to create job opportunities and to increase the bottom line for business through development and retention assistance. The commission could be an important partner in outreach efforts to educate businesses about mitigation and emergency preparedness and in economic recovery planning.

The Kings County Association of Governments was created in 1967 as a voluntary association of governments to provide a cooperative body for the resolution of issues that go beyond established jurisdictional boundaries. The association exchanges planning information between member agencies related to planned area wide development with emphasis on transportation; identifies and studies problems in areas of urban growth affecting various agencies; considers questions of mutual concern to the county, cities, and other agencies and makes recommendations on an advisory basis; provides for citizen involvement in the planning process; provides technical services to the member agencies; and operates as the regional transportation planning agency.

GOALS AND OBJECTIVES

Kings County adopts the hazard mitigation goals and objectives developed by the Planning Team and described in Element C.3 Mitigation Goals.

MITIGATION ACTIONS

The planning team for the unincorporated areas of the county identified and prioritized the following mitigation actions based on the risk assessment. Background information as well as information on how the action will be implemented and administered, such as ideas for implementation, responsible office, partners, potential funding, estimated cost, and timeline also are described.

2012 MITIGATION ACTIONS

Mitigation Action: Unincorporated Kings County #1—Emergency Power Switching System for Primary Care Clinics

Action:	Purchase, install, test and utilize a Manual Transfer Switch in each of the 5 community clinics to allow the rapid connection of emergency power generators in the event of a major power outage or disaster.
Jurisdiction:	Kings County
Priority:	High
Issue/Background:	These clinics have a day to day role in providing basic health services to the least fortunate residents of Kings County. Their usefulness in a major disaster is limited due to the lack of emergency power, which means that a power outage no matter what the source greatly inhibits the Clinics' ability to perform either its day to day mission or its functions during a natural disaster.
Ideas for Implementation:	This is a major project which has a high priority. The initial step of installing the Manual Transfer Switches will be accomplished by the County. The procurement or identification of rental generators to power the clinics in an emergency is the unfunded portion of this project, requiring substantial funding beyond the Department of Public Health's normal budgetary processes. This project could be implemented either as a grant project or grants from the CA Department of Public Health
Responsible Office:	Department of Public Health
Partners:	Kings County OEM and Operational Area partners.
Potential Funding:	Public Health Grant Programs, Hazard Mitigation Grant Program, and limited future general funds.
Cost Estimate:	\$250,000 for the complete installation of 5 Manual Transfer Switches, approximately \$150,000 for (5) 60kw portable generators to power the clinics in an emergency.
Benefits: (Losses Avoided)	Emergency power system will ensure the clinics can stay on line independent of commercial power. This will allow them to continue their lifesaving mission of initial medical care, triage and casualty collection during any disaster that disrupts local commercial power.
Timeline:	Desired completed by the end of calendar year 2013 to coincide with the completion of the County's new emergency plan.

Mitigation Action: Unincorporated Kings County #2—Identify requirements and create a project plan for an augmentation to emergency power system to the four county Hospitals to maintain HVAC during heat and utility emergencies.

Action:	Identify requirements to purchase, install, test and utilize a diesel powered emergency generator system to augment the existing power systems to maintain HVAC during any condition or disaster in the County.
Jurisdiction:	Kings County
Priority:	High
Issue/Background:	Kings County experiences annually high heat events. Many of these events correspond to periods of limited commercial power availability. Although area hospitals have emergency power, it is insufficient to run their HVAC plants during a power outage. This results in sometimes triple digit temperatures within their facilities. Augmenting the emergency power would provide heating and cooling for the hospital population, power to maintain medical devices, and refrigeration and meal preparation. Emergency power enables the area hospitals to maintain all hospital functions during a natural disaster.
Ideas for Implementation:	This is a major project requiring substantial funding beyond normal budgetary processes. This project could be implemented either as a phased grant project, a project under the homeland security grant programs.
Responsible Office:	Department of Public Health,
Partners:	Kings County OEM/Fire, Private Medical Service Providers and Office of Community Development.
Potential Funding:	SHSGP Grant Program, Hazard Mitigation Grant Program.
Cost Estimate:	\$50,000 for the complete Project plan.
Benefits: (Losses Avoided)	Augmenting the Hospital's Emergency power system will ensure that they can stay on line independent of commercial power. This will allow them to continue their mission of treating, sheltering and caring for the hospitalized population. It also creates a community resource in the event of a disaster that can shelter additional people, provide a clinic site for casualty collection and treatment, and provide a resource to assist in disaster food service and population protection. The ability to maintain the HVAC systems by generator will allow the hospitals to be fully used annually during heat waves despite limitations of the commercial power grid.
Timeline:	Desired completed by the end of calendar year 2013 to coincide with the completion of the New Hazard Mitigation Plan.

Mitigation Action: Unincorporated Kings County #3 – Water Recharge Basin Partnership Program

Action:	Partner with the State and contiguous counties to improve coordination, planning, and investment in long-term water supplies by developing a comprehensive water recharge basin project to meet demands of ongoing growth and development.
Jurisdiction:	Multi-Jurisdictional
Priority:	Low
Issue/Background:	Counties within the central and southern San Joaquin Valley region are experiencing tremendous growth as a result of low land costs, affordable housing, and low mortgage interest rates. This growth surge along with depleting surface and ground water supplies and projected outlook of global warming may severely cripple the available water supplies to Kings County during years of drought. Other regions are currently working on regional water management plans to receive bond funds for water capacity building projects.
Ideas for Implementation:	The Kings River Conservation District is currently coordinating plans to facilitate proactive water capacity building programs and projects to address the future needs of the county's agricultural, rural, and urban water needs. This effort should be built upon to develop a water management plan that covers Kings County. The plan should incorporate a countywide strategy for conservation programs, recycled water reuse programs, programs that build additional recharge and storage, and policies that work to retain existing surface water rights within the county for future use.
Responsible Office:	State DWR led joint powers authority should be developed to manage this multijurisdictional project.
Partners:	California Department of Water Resources, Kings County water and irrigation districts.
Potential Funding:	Possible grant and bond funds through recent State Propositions.
Cost Estimate:	\$60,000 to \$80,000 for a region wide water capacity study and \$10,000 to \$45,000 for each jurisdiction implementation of planning policy recommendations.
Benefits: (Losses Avoided)	\$1000s in potential agricultural and other resource losses avoided over the long term during years of severe drought. \$1000s in the reduction of emergency responses and recovery supplies for cities and communities unprepared and left without adequate water supplies for their residents.
Timeline:	Countywide water management plan to be completed in three years, then ongoing efforts
Completed by:	Kings County Community Development Agency

Mitigation Action: Unincorporated Kings County #4 – Community Alerting and Early Warning System (Reverse 9-1-1 like system)

Action:	Purchase, install, test and utilize a community wide alert and early warning system that alerts residents by phone, email, cell phone and other electronic communication devices.
Jurisdiction:	Kings County
Priority:	Medium
Issue/Background:	The County's existing emergency notification system that is exclusively phone based is antiquated and inefficient. It is estimated that due to the proliferation of cell phones and other electronic devices, existing landline based systems reach less than 60% of the targeted households during a notification event. Secondly, updating the core databases and incorporating new technologies is expensive and cumbersome. The County seeks to purchase an updated system that allows families to modify their profile online and alert all the communications devices each household possess to maximize the ability to alert and warn the residents of the county wherever they might be during times of emergency. This countywide system can integrate alert and warning, EAS messaging and customized notifications of first responders, targeted neighborhood or demographic groups as needed.
Ideas for Implementation:	This project could be implemented either as a grant project, a project under the homeland security grant programs or as a local cost sharing project funded by each jurisdictions general funds.
Responsible Office:	Kings County OEM
Partners:	Kings County Operational Area partners, county communications and Cal EMA, State Department of Corrections, State High Speed Rail Authority.
Potential Funding:	SHSGP Grant Program, Hazard Mitigation Grant Program, and potentially the EOC Grant Program
Cost Estimate:	\$350,000 for the complete Countywide system, \$30,000 annually to staff and maintain the system.
Benefits: (Losses Avoided)	Timely alerting and warning to all segments of the county's population during a disaster or major event leads to appropriate and informed responses by the residents. Simplifies sheltering, evacuation, resource efforts which will save time, resources and lives in an emergency.
Timeline:	Desired completed by the end of calendar year 2014.

Mitigation Action: Kings County #5—Transportable Shelter Caches for Displaced Populations.

Action:	Purchase 4 8x12 dual axle cargo trailers, 4 triple mode small refrigerators, 80 adjustable cots, 320 standard cots, 800 individual comfort kits, 400 blankets, 400 pillows, 200 folding chairs, light sticks, trash bags and 800 potable 1 liter water bottles; to create four deployable shelter sets in order to shelter up to 400 displaced persons.
Jurisdiction:	Kings County
Priority:	Low
Issue/Background:	The county has a large senior and access and functional needs population. In order to augment the ARC disaster services, Kings County would create four disaster caches to assist the ARC in sheltering displaced persons during a disaster.
Ideas for Implementation:	This is a major project requiring substantial funding beyond the County's normal budgetary processes. This project could be implemented either as a grant project, a project under the homeland security grant programs or as a local fund raising effort.
Responsible Office:	Kings County OEM and the local ARC
Partners:	Kings County Human Services Agency
Potential Funding:	SHSGP Grant Program, Hazard Mitigation Grant Program, and potentially Red Cross fundraising programs.
Cost Estimate:	\$85,000 for the four shelter cache trailers and contents as described above.
Benefits: (Losses Avoided)	The caches will greatly assist the ARC and will allow them to continue their mission of sheltering and caring for the displaced population within the county in congregate care shelters. It also creates a community resource in the event of a disaster that can rapidly mobilize to create viable shelter sites, shelter additional people where needed and provide a resource to assist in population protection. The ability to maintain and deploy these caches where needed in a secure cargo trailer also develops a mutual aid resource to help contiguous jurisdictions in times of need.
Timeline:	Desired completed by the end of calendar year 2014 to correspond with the completion of the new Hazard Mitigation and Emergency Plans.
Remarks:	<i>Low Priority project for public safety.</i>

Mitigation Action: Unincorporated Kings County #6— Develop a Comprehensive Plan to Fund and Build a New County Emergency Operations Center (EOC)

Action:	Develop a standing EOC group to review and discuss specifications, supervise the creation of construction plans, identify funding mechanism and requirements and identify the site for the new Kings County EOC.
Jurisdiction:	Kings County
Priority:	High
Issue/Background:	The County's Fire Administration building is inadequate and space to effectively coordinate operations on a daily basis and during a disaster need to be improved or built. In recognition of this situation, the County has identified the requirement for a new EOC that will allow for effective pre-disaster training, disaster response operations coordination and recovery operations for the county and the greater operational area. The county is taking a phased approach. The existing EOC in the fire administration building is being moved to a larger but still inadequate interim portable building. This interim building will provide limited utility while a modern, adequate and integrated EOC is designed, funded and built. The County has identified potential sites for the EOC.
Ideas for Implementation:	Due to the current identified needs versus the current economic reality, the county lacks the where-with-all to construct the center without assistance. By phasing the project it can be added as funding becomes available. The goal of this project is to have shovel ready project specifications, plan and site ready for when those funds become available.
Responsible Office:	Kings County OEM
Partners:	Kings County Fire Department, Kings County Environmental Health, Kings County Information Technology Department, and Kings County Public Works Department
Potential Funding:	General Fund, HMP Grants, EOC Grant Program, Partnership with State, County and Transportation Agencies.
Cost Estimate:	\$120,000 in staff time to develop the project plans.
Benefits: (Losses Avoided)	Expanding the current EOC functions into one modern, disaster resistant site will greatly improves daily and disaster emergency coordination, resources management and response.
Timeline:	Completed by the end of calendar year 2015, construction dependent on future funding.
Remarks:	<i>This was identified by the Planning Team as a high priority.</i>

Mitigation Action: Kings County #7—Assessment of High Speed Rail Project Impacts upon Critical Infrastructure

Action:	Assess vulnerability of critical infrastructure and lifeline utilities, including access and egress routes that may be disrupted due to the construction of high speed rail through Kings County. Identify and prioritize projects for multi-hazard risk reduction.
Jurisdiction:	Kings County
Priority:	High
Issue/Background:	Different governmental entities within the county are responsible for providing necessary daily services such as water, sewer, and storm drainage to residents, and emergency response. The creation of a 28 mile long, high speed rail corridor with a minimum above grade track elevation of 10 feet greatly complicates many of these issues. The lack of on grade crossings canalizes traffic to a limited number of overpasses, complicating evacuation, emergency response and potentially prisoner transport or relocation in times of disaster. The impact of this corridor on flooding, traffic, evacuation and urban growth are poorly understood as insufficient project details are not currently available.
Ideas for Implementation:	Evaluate high speed rail infrastructure construction plans as they become available to assess and prioritize impacts to local infrastructure as this information was not released during the environmental review phase. Local community planning efforts should then identify and prioritize needed infrastructure improvements or enhancements to reduce the vulnerability of crucial infrastructure from natural hazard risk exasperated by this major public works project.
Responsible Office:	Kings County; Cities of Hanford and Corcoran
Partners:	Kings County Community Development Agency and community service districts and public utility district.
Potential Funding:	Kings County General Fund for community planning efforts and LAFCO funds for municipal service review updates.
Cost Estimate:	\$30,000 to \$100,000 for each of the unincorporated and incorporated communities along the rail corridor.
Benefits: (Losses Avoided)	By identifying the potentially negative impacts of this massive public works project, more effective and realistic emergency plans and planning can be accomplished to minimize these impacts. Identifying the impacts to transportation, access and egress, resource mobilization and movement, confusion and delays can be avoided during major response activities, especially during major natural disasters.
Timeline:	Completed by the end of calendar year 2014 to coincide with the estimated beginning of construction on the HSR system.

Mitigation Action: Kings County #8—Inter-Jurisdictional GIS Program
Continued Project from 2007 Plan (See Remarks box)

Action:	Improve coordination, planning, and investment in a commonly developed GIS system and related databases to establish and maintain a common base map and related geographic information system .
Jurisdiction:	Multi-Jurisdictional
Priority:	High
Issue/Background:	Kings County and the four cities of Avenal, Corcoran, Hanford and Lemoore all rely upon GIS data to varying degrees and for various governmental services. As services may cross jurisdictional boundaries due to mutual aid requests and other inter-jurisdictional coordination efforts, a common base set of GIS data and systems are critical to ensuring coordinated and efficient services. Emergency response departments are all moving towards more GIS integrated operations which further necessitates the need for common and consistent GIS data and systems.
Ideas for Implementation:	The Kings County Community Development Agency operates a GIS Services Section, and the GIS Specialist position is intended to support other County department operations as well as lend support to other governmental entities within the County. Currently, the City of Hanford and City of Avenal contract with the County for GIS Specialist support. Common GIS datasets are also maintained that cover geographic territory in all four cities. Efforts will continue to consolidate and coordinate the development and maintenance of countywide GIS data and applications.
Responsible Office:	Kings County Community Development Agency
Partners:	Cities of Avenal, Corcoran, Lemoore, and Hanford; special districts; water and irrigation districts; Local Agency Formation Commission of Kings County; and Kings County Association of Governments
Potential Funding:	Local government funds and possible grant funds through recent State Propositions.
Cost Estimate:	\$10,000 to \$60,000 for ongoing countywide GIS data and systems
Benefits: (Losses Avoided)	\$1000s in potential savings to various agencies and reduced loss of life and property
Timeline:	Countywide water management plan to be completed in three years, then ongoing efforts
Completed by:	Kings County Community Development Agency
Remarks:	<i>Project Disposition: At the September 27th workshop this project was reviewed by the LHMP Planning Team. The inter-jurisdictional GIS project is in progress. The County has been completely mapped; Hanford and Avenal have joined in on the</i>

	<p><i>project contracting with County GIS to meet their mapping needs. The project is planned to expand to include all the incorporated Cities and continue to create an integrated countywide GIS system and database.</i></p>
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**Mitigation Action: Kings County #9—Kings County Area Disaster Council
Continued Project from 2007 Plan (See Remarks box)**

Action:	Review and update items related to the Kings County Operational Area Disaster Council in the Kings County Emergency Services Ordinance to improve countywide coordination and the monitoring and implementation of the mitigation plan.
Jurisdiction:	Kings County
Priority:	High
Issue/Background:	<p>The emergency services ordinance establishes the Kings Operational Area Disaster Council and designates the membership of the council. Membership includes one member of the Kings County Board of Supervisors (director of emergency services), the assistant director of emergency services, a member of the city council from each of the cities, the emergency manager from each of the cities, and one member at large. The council's powers include the development of emergency and mutual aid plans and agreements and the ordinances and resolutions to implement them.</p> <p>The ordinance requires that the Disaster Council meets regularly, however in recent years the council has failed to meet. The county does not have any other inter-jurisdictional entity that meets regularly to coordinate emergency management and mitigation issues.</p>
Ideas for Implementation:	Review ordinance and work with cities to determine whether the requirements for the Kings County Disaster Council membership and responsibilities should be updated to better reflect future conditions. Decisions about the council's role in monitoring, maintaining, and updating the countywide hazard mitigation plan and the emergency operations plan should be included, as well as information on how the council will intersect with or replace the Hazard Mitigation Planning Committee formed for this planning process.
Responsible Office:	Kings County OEM
Partners:	Kings County Board of Supervisors
Potential Funding:	Kings County General Fund
Cost Estimate:	Staff time/In-Kind
Benefits: (Losses Avoided)	Improved coordination among jurisdictions. Maintenance and monitoring of the hazard mitigation plan and emergency operations plan
Timeline:	2013/2014
Completed by:	Kings County Office of Emergency Management
Remarks:	<p><i>Project Disposition: At the September 27th workshop this project was reviewed by the LHMP Planning Team. This project is to be maintained in the 2012 plan. Organizational work to establish the council was accomplished but formal meetings have not yet commenced. The 2013 Meeting of the council will concentrate on updating the current emergency services ordinance. The 2014 Meetings will focus on the EOP update at the op area, county, city and special district levels.</i></p>

Mitigation Action: Kings County #10—Public Education Program
Continued Project from 2007 Plan (See Remarks box)

Action:	Develop and implement a comprehensive strategy to improve ongoing public education regarding natural hazards and risk.
Jurisdiction:	Kings County
Priority:	High
Issue/Background:	The Planning Team identified the lack of public awareness about natural hazards risk and preparedness as an obstacle to reducing potential losses in the county. In addition, as various issues arise, there is a need to effectively inform the public about them.
Ideas for Implementation:	Improved information about natural hazards may be implemented into media outlets and tools already in use by the county, such as the following: 1) a media list is compiled at the County Administration Office for distribution of fax or email information; 2) the county website home page is updated, as needed, to include information on pertinent topics, such as Warming Centers, Heat Related Illness, West Nile Virus, etc.; 3) a quarterly newsletter is published to all county employees (this is put together by the Human Resources Department). The county may also work with utility districts, such as the Armona Community Services District to provide information in utility bills.
Responsible Office:	Kings County OEM, Operational Area Partners, Office of County Administration
Partners:	County departments, Cal EMA, local media, special districts
Potential Funding:	Hazard Mitigation Grant Program, Pre-Disaster Mitigation Program, Kings County General Fund, In-Kind
Cost Estimate:	\$100,000
Benefits: (Losses Avoided)	Provides timely, accurate information to our public, both constituents and employees. Ensures consistent information flow. Improves public awareness and education.
Timeline:	Internal newsletter is published quarterly. Media notices and news conferences are sent as needed.
Completed by:	Kings County OEM
Remarks:	<i>Project Disposition: At the September 27th workshop this project was reviewed by the LHMP Planning Team. This project has been partially accomplished by the PIO in the CAOs Office. The committee agreed to carry this project forward and to move responsibility for a more comprehensive public education program on disaster preparedness to the Office of Emergency Management.</i>

Mitigation Action: Kings County #11—Livestock Disposal Plan
Continued Project from 2007 Plan (See Remarks box)

Action:	Establish a livestock disposal plan and compost team to address livestock fatality during extreme heat events.
Jurisdiction:	Kings County
Priority:	Medium
Issue/Background:	The prolonged heat wave that caused abnormally high numbers of animal mortalities in the summer of 2006 highlighted the need for a more proactive dead animal management plan, particularly in the dairy industry - a primary economic driver in Kings County. Animal deaths far exceeded the ability of the local rendering plant, which also experienced heat-related shutdowns, to accept and process carcasses in a timely manner. The end result of the declared emergency was the burial of hundreds of animal carcasses in the Chemical Waste Management landfill in the Kettleman Hills.
Ideas for Implementation:	Adopt an Emergency Action Plan for Dead Animal Management as a means to better manage animal mortalities during emergency situations, which cause abnormally high rates of death, particularly in the dairy industry. Also, establish a Kings County Mortality Intervention Team that would be available to provide technical and onsite assistance to animal facility operators on proper carcass disposal methods. Continue to work with our lawmakers to change the law preventing the composting of mammalian flesh.
Responsible Office:	Kings County Agricultural Commissioner
Partners:	Kings County Agricultural Advisory Committee, University of California at Davis Extension, Environmental Health Services, Natural Resources Conservation Service, Kings County Community Development Agency
Potential Funding:	The actual costs to bury the carcasses would be the responsibility of the animal facility owner/operator.
Cost Estimate:	Costs would be dependent upon the nature and length of the extreme heat event or other declared emergency. Operation of the Mortality Intervention Team would be through the Kings County General Fund.
Benefits: (Losses Avoided)	Help prevent the need to dispose of dead animals in the Chemical Waste Management Landfill and conserve landfill capacity. Proper onsite disposal will prevent contamination of ground water.
Timeline:	The Emergency Action Plan for Dead Animal Management was approved at the meeting of the Kings County Board of Supervisors on June 5, 2007.
Completed by:	Kings County Agricultural Commissioner's Office
Remarks:	<i>Project Disposition: At the September 27th workshop this project was reviewed by LHMP Planning Team. This project has been partially completed. A detailed Bovine disposal SOP has been developed which represents the largest livestock population. The committee recognized that a poultry, sheep and goat protocols need to be developed especially due to the State's experience with exotic Newcastle and other veterinary diseases that have the potential to impact the county.</i>

**Mitigation Action: Kings County #12—Disaster Evacuation Routes
Continued Project from 2007 Plan (See Remarks box)**

Action:	Ensure the maintenance and enhancement of established disaster evacuation routes.
Jurisdiction:	Multi-Jurisdictional
Priority:	Low
Issue/Background:	Vehicular access to the county and its communities is connected to other outlying areas by key transportation routes, such as state highways 198, 41, and 43. Other roadways maintained by the county also provide alternative access routes. Maintenance of these key routes is critical to any emergency evacuation out of the county or emergency response entering into the county.
Ideas for Implementation:	Key evacuation routes should be identified in the Kings County Emergency Operations Plan and addressed in the Kings County General Plan Safety Element and Circulation Element. Maintenance and warranted enhancements of all county maintained roads is necessary to ensure that key access routes are in good enough condition to accommodate potential emergency demand. Maintenance and warranted enhancements of all county maintained roads is an ongoing operation of the Kings County Public Works Department.
Responsible Office:	Kings County Public Works Department
Partners:	Kings County OEM; Kings County Planning Agency; Cities of Avenal, Corcoran, Lemoore, and Hanford; California Department of Transportation
Potential Funding:	Gas tax, federal/state transportation funding, Kings County General Fund for staff time
Cost Estimate:	Undetermined
Benefits: (Losses Avoided)	Potential saving of lives and \$1000s in countywide loss prevention.
Timeline:	Update and coordination of evacuation information in county plans completed in 2008. Maintenance and enhancement is ongoing.
Completed by:	Kings County Public Works, Chief Engineer
Remarks:	<i>Project Disposition: At the September 27th workshop this project was reviewed by the LHMP Planning Team. After much discussion this project will continue due to the need.</i>

Mitigation Action: Kings County #13—Traffic Safety for Fog Events
Continued Project from 2007 Plan (See Remarks box)

Action:	Improve lighting and traffic controls at critical intersections and roadways to improve safety during fog events.
Jurisdiction:	Multi-Jurisdictional
Priority:	Low
Issue/Background:	There is concern about fog-related traffic safety issues that usually occur during a few months in the fall. Fog-related traffic accidents may occasionally occur due to fast speeds or reduced awareness. The annual fog conditions will continue to exist in the San Joaquin Valley floor and therefore potentially result in the loss of life and property.
Ideas for Implementation:	The only cost-effective method of improving traffic safety during fog events is to increase education and enforcement. The California Highway Patrol already handles highway and county roadway traffic enforcement and paces traffic along major highways during times of severe fog. Improved lighting or traffic controls along the highways and major arterial streets is considered by California Department of Transportation and city public works departments based upon traffic accident and fatality reports. Increased awareness and education should occur through the media to remind motorists of the reduced visibility and need to slow their travel speeds down.
Responsible Office:	Kings County Public Works
Partners:	Kings County Sheriff's Department; law enforcement agencies and public works department in each city, California Highway Patrol, California Department of Transportation
Potential Funding:	Potential funding sources have not yet been identified.
Cost Estimate:	Cannot be determined as needed improvements are discovered through ongoing monitoring of fog-related accidents and their frequency
Benefits: (Losses Avoided)	Reduced traffic accidents and injuries due to fog events
Timeline:	Efforts are ongoing with responsible agencies reviewing traffic accident data and monitoring weather conditions.
Completed by:	Kings County Public Works
Remarks:	<i>Project Disposition: At the September 27th workshop this project was reviewed by the LHMP Planning Team. After much discussion this project will continue to the 2012 plan.</i>

2007 MITIGATION ACTIONS

Mitigation Action: Kings County—Long-Term Water Supply

Current Status: Overtaken by Events and Dropped (See Remarks box)

Action:	Improve coordination, planning, and investment in long-term water supplies to meet demands of ongoing growth and development.
Jurisdiction:	Multi-Jurisdictional
Priority:	High
Issue/Background:	Counties within the central and southern San Joaquin Valley region are experiencing tremendous growth as a result of low land costs, affordable housing, and low mortgage interest rates. This growth surge along with depleting surface and ground water supplies and projected outlook of global warming may severely cripple the available water supplies to Kings County during years of drought. Other regions are currently working on regional water management plans to receive bond funds for water capacity building projects.
Ideas for Implementation:	The Kings County Water District has attempted to coordinate proactive water capacity building programs and projects to address the future needs of the county's agricultural, rural, and urban water needs. This effort should be built upon to develop a water management plan that covers Kings County. The plan should incorporate a countywide strategy for conservation programs, recycled water reuse programs, programs that build additional recharge and storage, and policies that work to retain existing surface water rights within the county for future use. The Kings County portion of the San Joaquin Valley Regional Blueprint may provide an appropriate avenue to address this planning effort.
Responsible Office:	Kings County Community Development Agency to take the lead until another more appropriate agency or joint powers authority can take over
Partners:	Cities of Avenal, Corcoran, Lemoore, and Hanford; special districts; water and irrigation districts; Local Agency Formation Commission of Kings County; and Kings County Association of Governments
Potential Funding:	Possible grant and bond funds through recent State Propositions.
Cost Estimate:	\$60,000 to \$80,000 for a countywide water capacity study and \$10,000 to \$45,000 for jurisdiction implementation of planning policy recommendations.
Benefits: (Losses Avoided)	\$1000s in potential agricultural and other resource losses avoided over the long term during years of severe drought. \$1000s in the reduction of emergency responses and recovery supplies for cities

	and communities unprepared and left without adequate water supplies for their residents.
Timeline:	Countywide water management plan to be completed in three years, then ongoing efforts
Completed by:	Kings County Community Development Agency
Remarks:	<i>Project Disposition: At the September 27th mitigation strategies workshop this project was reviewed by the LHMP Planning Team. The long- term water supply has been overtaken by events. The local project has been co-opted by a multijurisdictional project in cooperation with the State Department of Water Resources. This Project will cover the work within Kings County as well as several adjacent counties that share the same aquifer and watershed.</i>

Mitigation Action: Kings County—Assessment of Critical Infrastructure

Current Status: Completed (See Remarks box)

Action:	Assess vulnerability of critical infrastructure and lifeline utilities, including water distribution systems, to identify and prioritize projects for multi-hazard risk reduction.
Jurisdiction:	Kings County
Priority:	High
Issue/Background:	Cities and community service districts within the county are responsible for providing necessary daily services such as water, sewer, and storm drainage to residents. Urban growth pressures in the county have increased service demands from these systems, and older portions are falling under disrepair. The collapsed city water well in Corcoran in 2006 demonstrated how vulnerable an entire community is when these services are no longer functioning and must rely upon outside assistance to provide. Older portions of the cities and communities also have deteriorated infrastructure, which are vulnerable during hazard events.
Ideas for Implementation:	Incorporate an assessment of service infrastructure into the state mandated Municipal Service Reviews (MSRs) required for all community service districts. MSRs and district spheres of influence boundaries are required to be completed by the end of 2007. The Local Agency Formation Commission (LACFO) would use this information to more closely review system expansions. These assessments can also then be incorporated into the county's community planning efforts to identify and prioritize needed infrastructure improvements or enhancements to reduce the vulnerability of crucial infrastructure from natural hazard risk.
Responsible Office:	LAFCO of Kings County
Partners:	Kings County Community Development Agency and community service districts and public utility district.
Potential Funding:	Kings County General Fund for community planning efforts and LAFCO funds for preparation of state mandated MSRs.
Cost Estimate:	\$3,000 to \$10,000 for each of the four unincorporated communities.
Benefits: (Losses Avoided)	Strategic prioritization of capital improvement efforts to increase the effectiveness of infrastructure improvements. Ensure that existing infrastructure needs are taken into account when growth or expansion of systems is proposed. Potential savings of \$1000s of piecemeal improvements and unplanned emergency response.

Timeline:	Completed by the end of calendar year 2007 to coincide with the completion of the county's four unincorporated community planning projects and LAFCO's Municipal Service Reviews.
Remarks:	<i>Project Disposition: At the September 27th workshop this project was reviewed by the LHMP Planning Team. This Project has been completed by all jurisdiction subject to this plan. The work was completed in 2007-2008 as part and parcel of the Safety Element and municipal service review updates. The methodology involved was to execute comprehensive service capacity surveys for the cities and special districts</i>

Mitigation Action: Kings County—Kings County Area Disaster Council

Current Status: Partially completed and carried over to 2012 plan (See Remarks box)

Action:	Review and update items related to the Kings County Area Disaster Council in the Kings County Emergency Services Ordinance to improve countywide coordination and the monitoring and implementation of the mitigation plan.
Jurisdiction:	Kings County
Priority:	High
Issue/Background:	<p>The emergency services ordinance establishes the Kings Area Disaster Council and designates the membership of the council. Membership includes one member of the Kings County Board of Supervisors (director of emergency services), the assistant director of emergency services, a member of the city council from each of the cities, the emergency manager from each of the cities, and one member at large. The council's powers include the development of emergency and mutual aid plans and agreements and the ordinances and resolutions to implement them.</p> <p>The ordinance requires that the Disaster Council meets regularly, however in recent years the council has failed to meet. The county does not have any other inter-jurisdictional entity that meets regularly to coordinate emergency management and mitigation issues.</p>
Ideas for Implementation:	Review ordinance and work with cities to determine whether the requirements for the Kings County Disaster Council membership and responsibilities should be updated to better reflect future conditions. Decisions about the council's role in monitoring, maintaining, and updating the countywide hazard mitigation plan and the emergency operations plan should be included, as well as information on how the council will intersect with or replace the Hazard Mitigation Planning Committee formed for this planning process.
Responsible Office:	Kings County Office of Emergency Services
Partners:	Kings County Board of Supervisors
Potential Funding:	Kings County General Fund
Cost Estimate:	Staff time/In-Kind
Benefits: (Losses Avoided)	Improved coordination among jurisdictions. Maintenance and monitoring of the hazard mitigation plan and emergency operations plan
Timeline:	Two years

Completed by:	Kings County Office of Emergency Management
Remarks:	<p><i>Project Disposition: At the September 27th workshop this project was reviewed by the LHMP Planning Team. This project is to be maintained in the 2012 plan. Organizational work to establish the council was accomplished but formal meetings have not yet commenced. The 2013 Meeting of the council will concentrate on updating the current emergency services ordinance. The 2014 Meetings will focus on the EOP update at the op area, county, city and special district levels.</i></p>

Mitigation Action: Kings County—Public Education Program

Current Status: Partially completed and carried over to 2012 plan (See Remarks box)

Action:	Develop and implement a comprehensive strategy to improve ongoing public education regarding natural hazards and risk.
Jurisdiction:	Kings County
Priority:	High
Issue/Background:	The Planning Team identified the lack of public awareness about natural hazards risk and preparedness as an obstacle to reducing potential losses in the county. In addition, as various issues arise, there is a need to effectively inform the public about them.
Ideas for Implementation:	Improved information about natural hazards may be implemented into media outlets and tools already in use by the county, such as the following: 1) a media list is compiled at the County Administration Office for distribution of fax or email information; 2) the county website home page is updated, as needed, to include information on pertinent topics, such as Warming Centers, Heat Related Illness, West Nile Virus, etc.; 3) a quarterly newsletter is published to all county employees (this is put together by the Human Resources Department). The county may also work with utility districts, such as the Armona Community Services District to provide information in utility bills.
Responsible Office:	Kings County OEM, Operational Area Partners, Office of County Administration
Partners:	County departments, Cal EMA, local media, special districts
Potential Funding:	Hazard Mitigation Grant Program, Pre-Disaster Mitigation Program, Kings County General Fund, In-Kind
Cost Estimate:	\$100,000
Benefits: (Losses Avoided)	Provides timely, accurate information to our public, both constituents and employees. Ensures consistent information flow. Improves public awareness and education.
Timeline:	Internal newsletter is published quarterly. Media notices and news conferences are sent as needed.
Completed by:	Kings County OEM
Remarks:	<i>Project Disposition: At the September 27th workshop this project was reviewed by the LHMP Planning Team. This project has been partially accomplished by the PIO in the CAOs Office. The committee agreed to carry this project forward and to move responsibility for a more comprehensive public education program on disaster preparedness to the Office of Emergency Management.</i>

Mitigation Action: Kings County—Vulnerable Populations

Current Status: Completed (See Remarks box)

Action:	Develop a program or system for supporting vulnerable populations during emergency events.
Jurisdiction:	Kings County
Priority:	High
Issue/Background:	<p>In the context of emergencies and disasters, the Kings County Department of Public Health has identified special needs populations or vulnerable populations as those members of our community with little or no ability to address their own preparedness, response, and recovery, as well as those people whose life's circumstances leave them needing more than what traditional emergency response agencies provide. This community includes the following:</p> <ul style="list-style-type: none">• Physically disabled (ranging from minor disabilities causing restriction of some motions or activities, to totally disabled requiring full-time attendant care for feeding, toileting, and personal care)• Mentally disabled (ranging from minor disabilities where independence and ability to function in most circumstances is retained, to no ability to safely survive independently, and attend to personal care)• Blind, visually impaired, low vision• Deaf, hearing impaired, hard-of-hearing• Medically fragile/dependent, including those dependent on life sustaining medications, such as with HIV/AIDS and diabetes, or those dependent on medications to control conditions and maintain quality of life, such as pain medications, allergy medications, seizure control medications, etc.• Medically compromised, including people with multiple chemical sensitivities or weakened immune systems, and those who cannot be in (or use) public accommodations for a variety of reasons• Frail/elderly, seniors• Ex-convicts, registered offenders, and other clients of the criminal justice system• Limited or non-English speaking, monolingual• Homeless and shelter dependent, including shelters for abused women and children <p>Although the county makes every effort to include this community into their emergency response and recovery plans, there is not a specific plan written to address the populations listed above.</p>
Ideas for Implementation:	The Kings County Department of Public Health has developed a team of local non-profit organizations and agencies, which currently provide services to vulnerable populations. The group shall establish

	goals and objectives for developing community awareness regarding preparedness and planning. The Department of Public Health will use various means to ensure information is available via different venues to ensure accessibility to residents of Kings County.
Responsible Office:	Kings County Department of Public Health, Bioterrorism Department
Partners:	Kings County Office of Emergency Services, Bioterrorism Advisory Committee, Community Volunteers
Potential Funding:	Current planning efforts are funded through California Department of Public Health, Emergency Preparedness Grant. Other funding sources are being researched
Cost Estimate:	\$15,000-\$20,000, not including impact costs for those participating in planning group
Benefits: (Losses Avoided)	Emergency planning for vulnerable populations will help reduce loss of life and injury during emergency events. Increased community awareness and planning will also be beneficial.
Timeline:	Ongoing
Completed by:	Sabrina Bustamante, Kings County Department of Public Health, Emergency Response Coordinator
Remarks:	<i>Project Disposition: At the September 27th workshop this project was reviewed by the LHMP Planning Team. This Project has been completed by all jurisdictions subject to this plan. The work was completed in 2006-2007 as part and parcel of the Safety Element and municipal service review updates. The methodology involved was to execute comprehensive service capacity surveys for the cities and special districts</i>

Mitigation Action: Kings County—Plans for Special Needs Students

Current Status: Dropped (See Remarks box)

Action:	Develop a plan for supporting medically fragile and special needs students at each school site during emergency events.
Jurisdiction:	Multi-Jurisdictional
Priority:	Medium
Issue/Background:	In reviewing emergency operation plans and developing the hazard mitigation plan, we have determined that we are lacking a plan to assist and sustain medically fragile and special needs students during an emergency situation. Many of these students currently have medical orders for providing medication on file with the school site, but do not have medical orders or long term health plans for a period extending beyond the school day.
Ideas for Implementation:	Kings County Office of Education and Kings County School District Nurses would develop a request for extended care orders from medical providers of medically fragile and special needs students. The nurses would develop a cover letter and a form for the physician's to complete. Parents would receive a copy of the form once it was completed by the physician. Parents would be responsible for providing medical supplies as designated by the physician.
Responsible Office:	Kings County Office of Education
Partners:	Kings County School Districts, medical providers, parents of students with special needs, Kings County Health Department
Potential Funding:	In-kind from partners
Cost Estimate:	Donated time for development of forms. Current staff time to provide information requests to medical providers and parents.
Benefits: (Losses Avoided)	Reduced risk to students' health and safety during emergency events. Protection against liability claims against school districts, health officials, and emergency responders.
Timeline:	Spring 2007, begin meeting with school district nurses. Fall 2007, discussion with medical providers and develop extended care order form. Spring 2008, begin implementation and modify as necessary. By fall 2008, have routine procedure to secure extended care orders for special needs students.
Completed by:	Tamara Ravalín, Kings County Office of Education, Assistant Superintendent
Remarks:	<i>Project Disposition: At the September 27th workshop this project was reviewed by the LHMP Planning Team. The project was overcome by events.</i>

Mitigation Action: Kings County—Natural Hazards Review Criteria
Current Status: Completed (See Remarks box)

Action:	Implement natural hazards review criteria for new development to improve long-term loss prevention.
Jurisdiction:	Kings County
Priority:	Medium
Issue/Background:	The Kings County Multi-Hazard Mitigation Plan will be integrated into the Kings County General Plan Safety Element. However, planning documents are only as valuable as the effectiveness of their implementation to affect real change in the built environment. Implementation of the plan should involve a process by which natural hazard information is easily available and reviewable by local government staff.
Ideas for Implementation:	The Kings County Community Development Agency has participated in the development of the countywide mitigation plan from the outset to ensure that a high degree of input and coordination occurred. The Community Development Agency should follow through in the integration and implementation of the recommended policies and actions in the plan for reducing potential hazard-related losses throughout the county. The Community Development Agency will develop a process by which new development proposals are reviewed more critically against the information and policies derived from the mitigation plan. The plan can be integrated as a major part of the County's Safety Element of the General Plan update.
Responsible Office:	Kings County Community Development Agency
Partners:	Kings County Office of Emergency Services
Potential Funding:	Kings County Community Development Agency operational budget can absorb this as a necessary project review component and an ongoing procedure.
Cost Estimate:	\$1,000 to \$2,000 for developing and implementing a procedure for reviewing development applications using information from the hazard mitigation plan.
Benefits: (Losses Avoided)	Potential loss reductions in the \$1000s as any new development within the county will be reviewed for natural hazard impacts.
Timeline:	Implementation would occur after the county's General Plan update is completed in 2008. Estimated implementation of natural hazard review procedure is early 2009.

Completed by:	Greg Gatzka, Kings County Community Development Agency
Remarks:	<i>Project Disposition: At the September 27th workshop this project was reviewed by the LHMP Planning Team. This project has been completed by the County Planning Agency. The new hazard zones have been implemented in all relevant permit and review processes.</i>

Mitigation Action: Kings County—Livestock Disposal Plan

Current Status: Partially completed and carried over to 2012 plan (See Remarks box)

Action:	Establish a livestock disposal plan and compost team to address livestock fatality during extreme heat events.
Jurisdiction:	Kings County
Priority:	Medium
Issue/Background:	The prolonged heat wave that caused abnormally high numbers of animal mortalities in the summer of 2006 highlighted the need for a more proactive dead animal management plan, particularly in the dairy industry - a primary economic driver in Kings County. Animal deaths far exceeded the ability of the local rendering plant, which also experienced heat-related shutdowns, to accept and process carcasses in a timely manner. The end result of the declared emergency was the burial of hundreds of animal carcasses in the Chemical Waste Management landfill in the Kettleman Hills.
Ideas for Implementation:	Adopt an Emergency Action Plan for Dead Animal Management as a means to better manage animal mortalities during emergency situations, which cause abnormally high rates of death, particularly in the dairy industry. Also, establish a Kings County Mortality Intervention Team that would be available to provide technical and onsite assistance to animal facility operators on proper carcass disposal methods. Continue to work with our lawmakers to change the law preventing the composting of mammalian flesh.
Responsible Office:	Kings County Agricultural Commissioner
Partners:	Kings County Agricultural Advisory Committee, University of California at Davis Extension, Environmental Health Services, Natural Resources Conservation Service, Kings County Community Development Agency
Potential Funding:	The actual costs to bury the carcasses would be the responsibility of the animal facility owner/operator.
Cost Estimate:	Costs would be dependent upon the nature and length of the extreme heat event or other declared emergency. Operation of the Mortality Intervention Team would be through the Kings County General Fund.
Benefits: (Losses Avoided)	Help prevent the need to dispose of dead animals in the Chemical Waste Management Landfill and conserve landfill capacity. Proper onsite disposal will prevent contamination of ground water.
Timeline:	The Emergency Action Plan for Dead Animal Management was approved at the meeting of the Kings County Board of Supervisors on June 5, 2007.
Completed by:	Kings County Agricultural Commissioner's Office
Remarks:	<i>Project Disposition: At the September 27th workshop this project was reviewed by LHMP Planning Team. This project has been partially completed. A detailed Bovine disposal SOP has been developed which represents the largest livestock population. The committee recognized that a poultry, sheep and goat protocols need to be developed especially due to the State's experience with exotic Newcastle and other veterinary diseases that have the potential to impact the county.</i>

Mitigation Action: Kings County—Safety Element of General Plan
Current Status: Completed (See Remarks box) Continued for 2012 Projects

Action:	Integrate the hazard mitigation plan with the Safety Element of the Kings County General Plan.
Jurisdiction:	Kings County
Priority:	Medium
Issue/Background:	The Kings County Multi-Hazard Mitigation Plan evaluates and addresses the same hazards that must also be addressed in local government general plans in California. The county is currently in the process of updating their General Plan. Recognizing the potential duplication of effort over evaluation of the same issues, efforts to update the Safety Element should be conducted in coordination with the multi-hazard mitigation plan.
Ideas for Implementation:	The Kings County Community Development Agency has participated in the development of the countywide mitigation plan from the outset to ensure that a high degree of input and coordination occurred. The Community Development Agency should follow through in the integration and implementation of the recommended policies and actions in the plan for reducing potential hazard-related losses throughout the county. The plan can be integrated as a major part of the county's Safety Element of the General Plan update
Responsible Office:	Kings County Community Development Agency
Partners:	Kings County Office of Emergency Services
Potential Funding:	Kings County General Fund for General Plan update, which is already budgeted for in FY 2006-2007 and planned for funding in FY 2007-2008.
Cost Estimate:	\$2,000 to \$3,000 for integrating the multi-hazard mitigation plan into the county's Safety Element.
Benefits: (Losses Avoided)	Provides General Plan policy direction for development activity with the county's unincorporated areas. Potential loss reductions in the \$1000s as any new development within the county will be considered within the context of the county's Safety Element.
Timeline:	Draft integration to be completed by the end of calendar year 2007 and considered in the overall county General Plan update scheduled for completion in 2008.
Completed by:	Kings County Community Development Agency

Remarks:	<p><i>Project Disposition: At the September 27th workshop this project was reviewed by the LHMP Planning Team. This project has been completed. The Safety element and the LHMP were integrated by the use of shared data, mapping and mitigation goals. A modified version of this project will remain open to evaluate needed changes in the Safety Element due to changes in the 2012 Hazard Mitigation Plan.</i></p>
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Mitigation Action: Kings County—Adoption of DFIRMs

Current Status: Completed (See Remarks box)

Action:	Update flood damage prevention ordinance to include new FEMA digital flood insurance rate maps (DFIRMs).
Jurisdiction:	Kings County
Priority:	Medium
Issue/Background:	The county's flood damage prevention ordinance currently references a flood insurance rate map that will soon be outdated when recently completed DFIRMs are available in 2008.
Ideas for Implementation:	The county's flood damage prevention ordinance will be reviewed to ensure that it correctly references the new DFIRMs that will soon be available from FEMA. The new digital maps will be available in 2008 and can be integrated into the county's current GIS system. This updated information can then be deployed at the front public counter and at workstations for both planning and building inspection staff to use when reviewing development proposals.
Responsible Office:	Kings County Building Inspection Department
Partners:	Kings County Community Development Agency, FEMA
Potential Funding:	Kings County General Fund as part of the county's General Plan update and ongoing GIS maintenance operations
Cost Estimate:	Less than \$1,000
Benefits: (Losses Avoided)	Updating the ordinance will better define the flood zone boundary lines where there are questions regarding buildings proposed for construction. This will assist county personnel in enforcement of the floodplain ordinance ensuring structures are constructed to minimize the risk of flood damage.
Timeline:	Implementation projected for late 2008
Completed by:	Carl Goff, Kings County Community Development Agency, Deputy Building Official
Remarks:	<i>Project Disposition: At the September 27th workshop this project was reviewed by the LHMP Planning Team. This project has been completed. The new DFIRMs established with FEMA have been integrated into all relevant planning and permit processes.</i>

Mitigation Action: Kings County—Disaster Evacuation Routes

Current Status: Not completed, carry over to 2012 projects (See Remarks box)

Action:	Ensure the maintenance and enhancement of established disaster evacuation routes.
Jurisdiction:	Multi-Jurisdictional
Priority:	Low
Issue/Background:	Vehicular access to the county and its communities is connected to other outlying areas by key transportation routes, such as state highways 198, 41, and 43. Other roadways maintained by the county also provide alternative access routes. Maintenance of these key routes is critical to any emergency evacuation out of the county or emergency response entering into the county.
Ideas for Implementation:	Key evacuation routes should be identified in the Kings County Emergency Operations Plan and addressed in the Kings County General Plan Safety Element and Circulation Element. Maintenance and warranted enhancements of all county maintained roads is necessary to ensure that key access routes are in good enough condition to accommodate potential emergency demand. Maintenance and warranted enhancements of all county maintained roads is an ongoing operation of the Kings County Public Works Department.
Responsible Office:	Kings County Public Works Department
Partners:	Kings County OEM; Kings County Community Development Agency; Cities of Avenal, Corcoran, Lemoore, and Hanford; California Department of Transportation
Potential Funding:	Gas tax, federal/state transportation funding, Kings County General Fund for staff time
Cost Estimate:	Undetermined
Benefits: (Losses Avoided)	Potential saving of lives and \$1000s in countywide loss prevention.
Timeline:	Update and coordination of evacuation information in county plans completed in 2008. Maintenance and enhancement is ongoing.
Completed by:	Kings County Public Works, Chief Engineer
Remarks:	<i>Project Disposition: At the September 27th workshop this project was reviewed by the LHMP Planning Team. After much discussion this project will continue due to the need.</i>

Mitigation Action: Kings County—Traffic Safety for Fog Events

Current Status: Reviewed and renewed (See Remarks box)

Action:	Improve lighting and traffic controls at critical intersections and roadways to improve safety during fog events.
Jurisdiction:	Multi-Jurisdictional
Priority:	Low
Issue/Background:	There is concern about fog-related traffic safety issues that usually occur during a few months in the fall. Fog-related traffic accidents may occasionally occur due to fast speeds or reduced awareness. The annual fog conditions will continue to exist in the San Joaquin Valley floor and therefore potentially result in the loss of life and property.
Ideas for Implementation:	The only cost-effective method of improving traffic safety during fog events is to increase education and enforcement. The California Highway Patrol already handles highway and county roadway traffic enforcement and paces traffic along major highways during times of severe fog. Improved lighting or traffic controls along the highways and major arterial streets is considered by California Department of Transportation and city public works departments based upon traffic accident and fatality reports. Increased awareness and education should occur through the media to remind motorists of the reduced visibility and need to slow their travel speeds down.
Responsible Office:	Kings County Public Works
Partners:	Kings County Sheriff's Department; law enforcement agencies and public works department in each city, California Highway Patrol, California Department of Transportation
Potential Funding:	Potential funding sources have not yet been identified.
Cost Estimate:	Cannot be determined as needed improvements are discovered through ongoing monitoring of fog-related accidents and their frequency
Benefits: (Losses Avoided)	Reduced traffic accidents and injuries due to fog events
Timeline:	Efforts are ongoing with responsible agencies reviewing traffic accident data and monitoring weather conditions.
Completed by:	Kevin McAlister, Kings County Public Works, Chief Engineer
Remarks:	<i>Project Disposition: At the September 27th workshop this project was reviewed by the LHMP Planning Team. After much discussion this project will continue to the 2012 plan.</i>

Mitigation Action: Kings County—Updated Building Code
Current Status: Completed (See Remarks box)

Action:	Adopt the 2006 International Building Code
Jurisdiction:	Kings County
Priority:	Low
Issue/Background:	Adoption of the International Building Code will help standardize building construction codes throughout the United States. This will help make construction practices and code enforcement uniform and result in better built and safer buildings.
Ideas for Implementation:	The State of California is currently going through proceedings to adopt the 2006 International Building Code. The process will require amendments to the code and it is scheduled to be adopted January 1, 2008. Once adopted at the state level, it then becomes the tool of enforcement at the local jurisdiction level.
Responsible Office:	Kings County Building Inspection Department
Partners:	Kings County Fire Department
Potential Funding:	Kings County General Fund
Cost Estimate:	Undetermined. Cost will involve training and purchases of new code books and computer assistance programs.
Benefits: (Losses Avoided)	Uniform code enforcement. Reduced risk to lives and property through safer buildings.
Timeline:	Mandatory adoption January 1, 2008
Completed by:	Carl Goff, Kings County Community Development Agency, Deputy Building Official
Remarks:	<i>Project Disposition: At the September 27th workshop this project was reviewed by the LHMP Planning Team. This project has been completed. The new 2010 California Building Code has been integrated into all relevant planning and permit processes.</i>

Mitigation Action: Kings County—Earthquake Hazards at Schools

Current Status: Overtaken by Events and Dropped (See Remarks box)

Action:	Develop a plan for training school maintenance crews to identify and address nonstructural hazards in schools to mitigate earthquake risk.
Jurisdiction:	Multi-Jurisdictional
Priority:	Low
Issue/Background:	Although school districts conduct earthquake drills with students on a routine basis and follow codes to assure facilities are in proper compliance, many classrooms, offices, etc, still have bookcases and other objects which would not be stable during an earthquake.
Ideas for Implementation:	Kings County Office of Education and Kings County Self-Insured Schools would develop a facility hazards check-off list and train maintenance staff in the identification of nonstructural hazards. In addition, maintenance crews would be trained on how to address and mitigate these hazards. Training would be conducted by the Director of Kings County Self-Insured Schools (KCSIS) in conjunction with Schools Insured Schools of California (SISC) and provided to maintenance and operations directors and chief business officials of Kings County School Districts.
Responsible Office:	Kings County Office of Education
Partners:	KCSIS, SISC, Kings County School Districts
Potential Funding:	In-kind from partners
Cost Estimate:	Donated time for development of forms, training, and recordkeeping by partner agencies
Benefits: (Losses Avoided)	Reduced risk to students, staff, and school property during future seismic events. Protection against liability claims and workers compensation claims against school districts and emergency responders.
Timeline:	Summer 2007, meet with KCSIS and SISC to develop training materials. Fall 2007, provide training in conjunction with regularly scheduled trainings of maintenance directors and chief business officials. Spring 2008, begin implementation and modify as necessary. By fall 2008, have routine procedure to identify and address nonstructural hazards in schools to mitigate earthquake risk.
Completed by:	Tamara Ravalín, Kings County Office of Education, Assistant Superintendent
Remarks:	<i>Project Disposition: At the September 27th workshop this project was reviewed by the LHMP Planning Team. After much discussion dropped from the planning effort as it was over come by events.</i>