



CONTINGENCY PLAN FOR EXCESSIVE HEAT EMERGENCIES

A Supporting Document to the State Emergency Plan

June 2007 Revision

Arnold Schwarzenegger
Governor

Henry Renteria
Director
Governor's Office of Emergency Services

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EXECUTIVE SUMMARY

This is a contingency plan supporting the State Emergency Plan.

The plan describes state operations during heat related emergencies and provides guidance for local governments, non-governmental organizations, the private sector and faith-based organizations in the preparation of their heat emergency response plans and other related activities.

The plan recognizes the need for the state to 1) communicate and coordinate with local agencies, 2) mobilize resources and initiate actions in advance of local requests, and 3) support the local agency actions according to the Standardized Emergency Management System.

The plan recognizes four (4) phases of activation.

- I. Seasonal Readiness
- II. Increased Readiness
- III. Heat Alert
- IV. Heat Emergency

These phases are activated based on the severity of the risk of heat to animals, vulnerable populations and the population in general. The direct involvement of state and local agencies to protect individuals increases with the severity of the risk.

The plan contains specific actions to be taken by the State in each of the four phases, and a checklist to guide local actions. The specific action steps include:

- Coordinating among state and local agencies (All phases)
- Disseminating information (All phases)
- Providing cooling facilities (Phase III and IV)
- Directly contacting and monitoring those at risk (Phase III and IV)
- Transporting those at risk to cooling facilities (Phase III and IV)
- Governor's proclamation of a state of emergency (Phase IV)

The plan contains the following:

- Background information including the history of heat emergencies in the state and other parts of the nation.
- A description of the purpose and scope of the plans.
- Descriptions of the conditions triggering each phase of the plan.
- The responsible state agencies and the actions those agencies will carry out during the different phases of the plan.
- Guidance for local agencies to help plan and coordinate efforts during heat events.
- Appendices of supporting information.

1. Background

Impact of Heat Waves

Heat waves do not cause damage or elicit the immediate response of floods, fires, earthquakes, or other more “typical” disaster scenarios. While heat waves are obviously less dramatic they are potentially more deadly. The worst single heat wave event in California occurred in Southern California in 1955, when an eight-day heat wave resulted in 946 deaths.

Heat emergencies have claimed more lives over the past 16 years than all other declared disaster events combined. The 1989 Loma Prieta earthquake resulted in 63 deaths; the 1994 Northridge earthquake was responsible for the loss of 55 lives; and the catastrophic 2003 Southern California Firestorms resulted in 24 deaths. While typical summer temperatures in California contribute to the untimely demise of 20 people on average per year, the heat wave experienced by California in July 2006 caused the death of at least 140 people over a 13-day period.

California did not experience the billions of dollars in damage as it did in the two earthquakes cited, nor did it experience over three thousand homes damaged as it did in the firestorm; but the number of fatalities from heat emergencies is exponentially worse.

Heat emergencies are often slower to develop, taking several days of continuous, oppressive heat before a significant or quantifiable impact is seen. Heat waves do not strike victims immediately, but rather their cumulative effects slowly take the lives of vulnerable populations.

Heat wave Response Plans in other states

Local communities in other states have reacted to their heat wave emergencies by creating their own public warning and response systems. Chicago, Illinois suffered a week-long heat wave in 1995 that killed 739 above the normal rate of mortality; that city now has a system that reacts to a National Weather Service "heat warning" by activating city service departments to carry out "well-being" checks on shut-ins and the elderly, providing cooling shelters, checking buildings for proper ventilation, monitoring nursing homes and hospital emergency rooms, and distributing public warnings and public information. In Philadelphia, Pennsylvania, where a 1993 heat wave killed 118 people, the city sounds a warning if a weather formation peculiar to the Mid-Atlantic (the Maritime Tropical Oppressive Air Mass, or MOT) has formed and appears to threaten the city; meteorological checks are made four times a day to monitor this formation until the threat is either confirmed or it dissipates. In St. Louis, Missouri, where a 1980 heat wave was responsible for 246 deaths, a program called *Operation Weather Survival* was created that established formal public-private partnerships that collaborate to prevent illness or death from either extreme heat or cold. The St. Louis program includes a very successful air-conditioner loaner program, energy assistance for low income families, emergency cooling shelters, and dissemination of public information, among other arrangements.

California Heat wave Response Plans

Some California communities have heat-related plans or plans that are tied to power shortages during excessive heat events that tax electric demand.

At the state level California has a plan for managing heat wave related stresses on communities in its *Electric Power Disruption Toolkit*, which was issued in 2001 and can be found on the OES website (<http://www.oes.ca.gov>) under *Plans and Publications*.

Standardized Emergency Management System (SEMS)

In an excessive heat emergency, as in all other disaster response in California, statewide coordination of resource support to local government is carried out through SEMS. SEMS incorporates the National Incident Management System (NIMS) and for use in this document will be referred to as either SEMS or SEMS/NIMS. It is the state's system required by Government Code Section 8607(a) for managing response to multi-agency and multi-jurisdictional emergencies in California. SEMS consists of five organizational levels which are activated as necessary: field response, local government, operational area, regional, and state. When local resources are inadequate to meet the need, the requests are made to the next higher emergency response level until the resource need is met.

This Contingency Plan for Excessive Heat Emergencies is designed to facilitate preparedness for and response to future excessive heat emergency events according to SEMS/NIMS. Authorities related to this contingency planning are identified in the following section.

2. Authorities and References

Government Code Section (within the Emergency Services Act, Chapter 7, Division 1, Title 2):

- §8630(a): A local emergency may be proclaimed only by the governing body of a city, county, or city and county, or by an official designated by ordinance adopted by that governing body.

The local health officer may proclaim a local emergency if he or she has been specifically designated to do so by ordinance adopted by the governing body of the jurisdiction.

- §8558(c): "Local emergency" means the duly proclaimed existence of conditions of disaster or of extreme peril to the safety of persons and property within the territorial limits of a county, city and county, or city caused by such conditions as air pollution, fire, flood, storm, epidemic, riot, drought, sudden and severe energy shortage, plant or animal infestation or disease, the Governor's warning of an earthquake or volcanic prediction, or an earthquake, complications resulting from the Year 2000 Problem, or other conditions, other than conditions resulting from a labor controversy, which are or are likely to be beyond the control of the services, personnel, equipment, and facilities of that political subdivision and require the combined forces of other political subdivisions to combat, or with respect to regulated energy utilities, a sudden and severe energy shortage requires extraordinary measures beyond the authority vested in the California Public Utilities Commission.

It is possible to proclaim a local emergency for health-related reasons.

- §8625: Gives Governor the authority to proclaim "state of emergency" when requested by local jurisdiction or when he finds local authority is inadequate to cope with emergency.

Health and Safety Code Section:

- §101040: Authority to take preventive measures during emergency. “The county health officer may take any preventive measure that may be necessary to protect and preserve the public health from any public health hazard during any “state of war emergency,” “state of emergency,” or “local emergency,” as defined by Section §8558 of the Government Code, within his or her jurisdiction.

“Preventive measure” means abatement, correction, removal or any other protective step that may be taken against any public health hazard that is caused by a disaster and affects the public health....

The county health officer, upon consent of the county board of supervisors or a city governing body, may certify any public health hazard resulting from any disaster condition if certification is required for any federal or state disaster relief program.

- §101475: Gives city public health officer authority to take preventive measures to protect public health.

Penal Code Section:

- §409.5. (a) Whenever a menace to the public health or safety is created by a calamity such as flood, storm, fire, earthquake, explosion, accident, or other disaster, officers of the California Highway Patrol, California State Police Division, police departments, marshal's office or sheriff's office, any officer or employee of the Department of Forestry and Fire Protection designated a peace officer by subdivision (h) of Section 830.2, any officer or employee of the Department of Parks and Recreation designated a peace officer by subdivision (g) of Section 830.2, any officer or employee of the Department of Fish and Game designated a peace officer under subdivision (f) of Section 830.2, and any publicly employed full-time lifeguard or publicly employed full-time marine safety officer while acting in a supervisory position in the performance of his or her official duties, may close the area where the menace exists for the duration thereof by means of ropes, markers, or guards to any and all persons not authorized by the lifeguard or officer to enter or remain within the enclosed area. If the calamity creates an immediate menace to the public health, the local health officer may close the area where the menace exists pursuant to the conditions set forth in this section.

(b) Officers of the California Highway Patrol, California State Police Division, police departments, marshal's office or sheriff's office, officers of the Department of Fish and Game designated as peace officers by subdivision (f) of Section 830.2, or officers of the Department of Forestry and Fire Protection designated as peace officers by subdivision (h) of Section 830.2 may close the immediate area surrounding any emergency field command post or any other command post activated for the purpose of abating any calamity enumerated in this section or any riot or other civil disturbance to any and all unauthorized persons pursuant to the conditions set forth in this section whether or not the field command post or other command post is located near to the actual calamity or riot or other civil disturbance.

(c) Any unauthorized person who willfully and knowingly enters an area closed pursuant to subdivision (a) or (b) and who willfully remains within the area after receiving notice to evacuate or leave shall be guilty of a misdemeanor.

(d) Nothing in this section shall prevent a duly authorized representative of any news service, newspaper, or radio or television station or network from entering the areas closed pursuant to this section.

Senate Bill No. 1451, Government Code §8588.15

This Government Code requires the incorporation of the Disability Community into the California Standardized Emergency Management System (SEMS) via representatives on the SEMS Specialist Committees and one on the SEMS Technical Group. It also addresses funding needs for expanded emergency alerting technology in order to ensure early alert and warning to all the Disability Community, especially the blind and/or vision impaired population. Early emergency alert information in emergencies and/or disasters is critical to the Disability Community, for example, in the case of mandatory evacuations.

3. Purpose

The purpose of this plan is to identify state agency actions that need to be taken during the Phases I – IV to address the needs of victims in an excessive heat emergency. The plan also provides guidance for local governments, non-governmental organizations, the private sector and faith-based organizations in the preparation of their heat emergency response plans and other related activities. This is a contingency plan supporting the State Emergency Plan.

4. Scope

The scope of this document identifies how state resources in excessive heat emergencies will be made available in support of local government preparedness and response efforts in accordance with SEMS. This plan should be considered during electrical outages that may result in heat related health issues; additionally referencing the *Electric Power Disruption, Toolkit for Local Government*, Office of Emergency Services, June, 2001. (See OES web site, <http://www.oes.ca.gov>, under Plans & Publications.)

5. Assumptions:

- It is the responsibility and authority of the Governor to ensure that the governmental response to events of excessive heat is appropriate.
- The state may initiate specified actions independently, but will communicate to and coordinate those actions with local government.
- The state actions identified in the plan will assist local government.
- Local governments may have programs to address excessive heat, and those programs may vary in organization and operation but are consistent with SEMS and NIMS.
- Nothing in this plan serves to restrict local operations as long as they are consistent with SEMS and NIMS.

6. State Roles and Responsibilities

State agencies with lead and support roles in responding to disasters and emergencies, including excessive heat emergencies, will act in accordance with agency and departmental emergency response plans, policies, and procedures established for their duty officers and emergency operations centers (EOC); these include the OES Regional Operations Centers

(REOC), the CDPH/EMSA Joint Emergency Operations Center (JEOC), EMSA DOC, the CDFA and CDSS Emergency Operations Centers, and the OES State Operations Center (SOC), and any other involved state agency DOC. The Franchise Tax Board and OES will also follow established procedures for the operation of their call center as needed and agreed upon per Memorandum of Understanding (MOU). All state response will be coordinated through the OES State Operations Center, the involved REOCs, and with local operational areas.

If activated for an excessive heat emergency, the SOC organizational structure and basic staffing is depicted in the following chart:

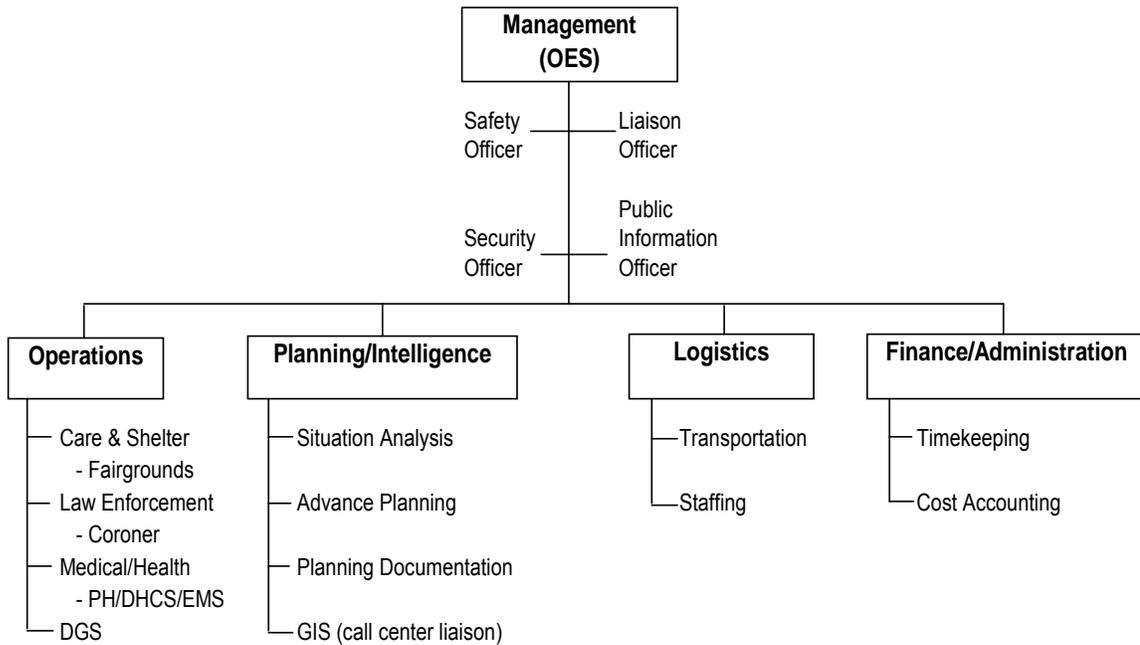


Fig. 1 SOC Organizational Structure and Basic Staffing

Recovery efforts, although initially activated in the response phase of the emergency, are mostly conducted following the response phase, and could last weeks, months, or years to completion.

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Associated extreme heat emergency tasks and departmental responsibilities depicted below are consistent with those identified in the State Emergency Plan. Color code as follows:

Gray: State Agencies Orange: NGOs Yellow: Commissions Purple: Private Blue: Federal

Department/ Agency	Responsibility
California State Warning Center (CSWC) (OES)	Statewide Emergency Notification
Office of Emergency Services (OES)	Emergency Management – all SEMS/NIMS Functions – recovery programs
OES Law Enforcement Branch	Law Enforcement/Coroner Operations
California Department of Aging (CDA)	Senior, disability and caregivers services
Business Transportation & Housing (BT&H)	Loan guarantees for farm & agriculture related enterprises
California National Guard (CNG)	Logistical support - armories
Community Services & Development (CSD)	Community Service Block Grants (CSBG), Low Income Home Energy Assistance Program (LIHEAP) – migrant programs
Department of Developmental Services (DDS)	Assistance to community based programs serving people with developmental disabilities
Department of Food and Agriculture (CDFA)	Agricultural Livestock - Pet issues - Fairground Facilities-link to Ag commissioners & growers
Department of Health Care Services (CDHS)	Food Programs – Medi-Cal – WIC
Department of Public Health (DPH)	Public Health – drinking water programs
Department of Housing & Community Development (HCD)	Housing Programs
Department of Mental Health (DMH)	Crisis Counseling Immediate Services, Crisis Counseling Regular Program
Department of Rehabilitation (DOR)	Advise on disability issues/needs and provide assistance to the Disability Community
Department of Social Services (DSS)	CalWORKs cash aid (including immediate need), Food Stamp Benefits (including expedited service and/or Disaster Food Stamp Benefits), Food Commodities Programs, and Coordination of State Resource in support of local government and ARC shelters.
Department of Transportation (CalTrans)	Transportation – Public Works
Emergency Medical Services Authority (EMSA)	Emergency Medical Care
Employment Development Department (EDD)/ Workforce & Labor Development Agency	Unemployment Insurance, Disaster Unemployment Assistance, Job Training Services
Franchise Tax Board (FTB)	Activating the 1-800 number Call Center
Department of Developmental Services (DDS)	Direct services and assistance to people with developmental disabilities
American Red Cross (ARC)	Food and Shelter

Gray: State Agencies Orange: NGOs Yellow: Commissions Purple: Private Blue: Federal	
The Salvation Army	Food and Shelter – utility assistance
California Foundation for Independent Living Centers (CFILC)	Connection to the Disabilities Community
Voluntary/Community-Based Organizations	Mortgage/rental assistance, food, shelter and clothing
Regional Centers on Developmental Disabilities	Case management and purchase of services for people with developmental disabilities
Agriculture Labor Relations Board	Language translators/Mobile Offices
Public Utilities Commission (PUC)	Deferred Payment Plans
Pacific Gas & Electric (PG&E) – SMUD – SCE – Gas company – SDG&E – Others [Private]	Low Income Energy Assistance
USDA Farm Service Agency [Federal]	Emergency Loan Program for farmers and ranchers crop production and physical losses
USDA Food and Nutrition Service [Federal]	Disaster Food Stamp Program
US Small Business Administration [Federal]	Low-interest loans for economic losses to main street and agri-related businesses
Other federal agencies	FEMA (crisis counseling program) – US Dept. of Labor (DUA), NWS (warnings)

7. State Concept of Operations

The state operations described in this plan will be activated at the direction of the OES Director. Local operations will be activated locally according to local plans, policies and procedures.

This plan can be activated at any of the four phases as described in Section 8, *State Activation Phases*. The specific actions to be taken by the state agencies in each of the phases are described in the *State Agency Activation Activities / Checklists* (page 11). In addition to the actions described, the State may, if necessary, provide supplemental support to local activities during any of the four phases of the heat event response.

All state actions will be coordinated with the affected local governments through the affected REOCs and the local coordination links used by the other key state agencies. It is essential that the affected local agencies and all the key state agencies are informed of all state actions that will be taken during Phase III and Phase IV of an excessive heat emergency. It is equally important for the state to be appraised of local actions. This communication is facilitated through the SEMS/NIMS functions, the activated EOCs, Response Information Management System (RIMS) reports (on-line), and by phone calls to constituents.

8. State Activation Phases

Heat emergency response will be carried out, in consultation and coordination with the OES Regions and Operational Areas (OAs) impacted using the following phases as guidelines to determine the most appropriate level of state response:

Phase I: Seasonal Readiness

Phase I actions are taken in the hotter months, June through August. These include the following:

- Review of procedures and resources
- Initiate awareness campaigns. See page 11 for the complete list of Phase I actions.

Phase II: Increased Readiness

Phase II actions are taken as a result of credible predictions by National Weather Service (NWS) of prolonged heat or of power outages during warmer than normal weather conditions. The coordination among state agencies increases in this phase as well as specific contact with the local agencies anticipating the activation of Phase III or Phase IV portions of the plan. This phase includes the following:

- Daily calls (see page 61 for sample agenda for daily calls) among the key state agencies and the potentially affected REOCs,
- Standing ready to activate a web portal and toll-free number to:
 - provide general information about measures to reduce the effects of excessive heat conditions,
 - links to the OA offices and
 - the function of and instructions for establishing cooling centers and stations. See page 13 for the complete list of Phase II actions.

Phase III – Heat Alert

Phase III actions will be initiated when one or more of the following exists:

- Notification from an Operational Area that jurisdictions have issued a special notice (warning, alert, etc.), but the OA has not activated the EOC.
- Excessively hot weather with credible weather forecasts of excessively hot weather of three days or less. These weather conditions include high daytime temperatures accompanied by night temperatures of 75 degrees or more.
- National Weather Service Advisories of excessive heat for three days or less.
- Abnormal animal mortality rates associated with excessive heat weather.
- High heat accompanied by electrical blackouts or rotating blackouts or power outages, e.g., CAISO Stage 3 Electrical Emergency.

Phase III actions include the following:

- Daily coordination phone calls (see page 61 for sample agenda for daily calls) with weather and power updates among the key agencies and the REOCs.
- Expanding the information on the Heat wave Web Portal to include maps of cooling facilities with information provided by local and state agencies.
- Updated information on opening of state owned facilities for cooling centers.
- Contacting local public health and other officials to ensure contact with those most vulnerable to excessive heat. See page 15 for the complete list of Phase III actions.

Phase IV – Heat Emergency

Phase IV actions are taken when conditions pose severe threat and one or more of the following exists:

- Notification from an Operational Area that one or more jurisdictions have proclaimed an emergency related to excessive heat.
- One or more OA EOC has been activated due to excessive heat.
- Weather conditions with a heat index of over 105 degrees with NWS Heat Advisories or Warnings of excessively hot weather for more than three days. These weather conditions include high daytime temperatures accompanied by night temperatures of 75 degrees or more.
- Abnormal animal mortality rates due to excessive heat.
- Abnormal human medical emergencies and mortality due to excessive heat.
- CAISO Stage 3 Electrical Emergency and /or extended power outages during expected excessive heat conditions.

Phase IV efforts include urgent and comprehensive actions to complement and support local actions during the most severe heat events. The actions expand the Phase III activities and include additional efforts. Coordinating calls (see page 61 for sample agenda for daily calls) will increase as needed. Requests for mutual aid and state assistance can be expected. During an Excessive Heat Emergency, the OES Director will advise the Governor on local activities and needs. The SOC and REOC activation will be enhanced as needed. The OES Director may convene the Heat Emergency Task Force to identify any rules and executive actions the Governor may be advised to take to alleviate the situation, including the proclamation of a state of emergency by the Governor. See page 23 for the complete list of Phase IV action. (See www.oes.ca.gov – Plans & Publications – Local Government Guide for Emergency Proclamations)

9. STATE AGENCY Activation Activities/Checklist

The following tables describe the activities that will be taken by state agencies during the four phases of the plan

Phase I: Seasonal Readiness

Responsible Dept./Agency	Activities	Completed (✓)
Key State Response Agencies	<ul style="list-style-type: none"> • Key state agencies review own procedures and resources to identify any issues or problems • Collaborate to identify any anticipated needs or problems. 	
OES/CSWC	<ul style="list-style-type: none"> • Establish link with NWS for weather alerts, watches and warnings. 	
OES REOC	<ul style="list-style-type: none"> • Contact OAs to determine what seasonal efforts are in place at the local level • MARAC presentations by NWS 	
OES / FTB	<ul style="list-style-type: none"> • OES reviews the Excessive Heat Emergency Contingency Plan • OES Office of Public Information (OPI) posts seasonal readiness campaign material on the OES website. • OES/FTB anticipates the possibility of activating the toll-free number and the Excessive Heat Emergency Web Portal should the weather require such measures be taken. 	
OES/CHHS agencies: Office of Public Information (OPI)	<ul style="list-style-type: none"> • Coordinated or Joint Press statements increasing awareness of the risk from excessive heat for vulnerable populations, including Disabilities Community, and the general public will be released • OES/CHHS agencies seasonal readiness campaign material includes a reminder to Disabilities Community to identify their local para-transit/transportation provider that would be used in an emergency or disaster. • Include in any ongoing seasonal preparedness media campaign information about the risk from excessive heat and ways to mitigate effects. 	
CDFA	<ul style="list-style-type: none"> • Provide hazard-related information to OES to ensure effective coordination and decision making. • Identify a public information representative to coordinate Emergency Public Information with OES. 	
CDPH	<ul style="list-style-type: none"> • CDPH Licensing and Certification – issue All Facilities Letter (AFL) on hot summer weather to long term care facilities with information on caring for patients/residents during extreme heat conditions and the reporting process facilities must follow to report any unusual occurrence related to extreme heat. 	
DGS	<ul style="list-style-type: none"> • Prepare to provide list of state facilities that could be used for cooling centers during excessive heat. 	

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Responsible Dept./Agency	Activities	Completed (✓)
CDSS	<ul style="list-style-type: none"> • CDSS will request all Licensing Program Analysts to provide, during all facility visits, excessive heat-related information and preparation tips to licensees of community care and child care facilities to ensure that they are prepared to care for clients and residents during excessive heat conditions. • CDSS will ensure that licensees are aware of how to respond if an emergency/crisis occurs. 	
DDS	<ul style="list-style-type: none"> • DDS quality assurance system ensures that state developmental centers and state operated community facilities emergency preparedness plans are reviewed, updated and sufficient to address the needs of all possible emergencies and disasters. Contract requirements for regional centers emergency preparedness plans are monitored for compliance. 	
DMH	<ul style="list-style-type: none"> • While on site for annual reviews, DMH Licensing reviewers ensure that the MHRC and Psychiatric Health Facilities (PHF) facility disaster and emergency preparedness plans are reviewed, updated and sufficient to address the needs of all possible emergencies and disasters. 	
EDD	<ul style="list-style-type: none"> • Provide OES OPI public information related to assistance programs that will be available in excessive heat conditions as applicable to farm workers and related business workers who may lose employment due to the weather conditions. 	
EMSA	<ul style="list-style-type: none"> • Disseminate hazard-related information to regional and local medical partners. Prepare to provide medical assistance upon request to support local medical system needs. 	

Phase II: Increased Readiness

Responsible Dept./Agency	Activities	Completed (✓)
OES / Affected REOCs / FTB	<ul style="list-style-type: none"> • Initiate communication/coordination with local and state agencies via the Heat Emergency Task Force. • Coordinate to determine the readiness and availability of resources. • OES stands ready to activate the Heat wave Web Portal, the Cooling Center Database that reflects local information. OES/FTB stand ready to activate the toll-free number as conditions and situation requires. • SOC/REOC stands ready to activate as conditions and situation require. • State resources will be directed as necessary to assist local governments. • State agencies will coordinate with CAISO and municipal utilities to determine power availability. 	
OES Office of Public Information (OPI)	<ul style="list-style-type: none"> • Coordinated or Joint Press statements increasing awareness of the risk from heat for vulnerable populations, including disabilities community, and the general public will be released • Public safety announcements will be issued through media sources, associations, the internet, volunteer and service organizations and the private sector; Disabilities Communities reminded to identify contact number for local para-transit transportation they would use during an emergency • Issue pre-scripted tips to media outlets, local governments through SEMS, websites, service clubs, associations, NGOs, volunteer organizations, faith based organizations. • Schedule news conferences. • Other measures as previously identified in the Public Information Dissemination section of this document. 	
CDFA	<ul style="list-style-type: none"> • Provide hazard-related information to OES to ensure effective coordination and decision making. • Notify OES PIO of the identified CDFA public information representative to coordinate Emergency Public Information with OES. • Fairgrounds identification/preparation. 	

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Responsible Dept./Agency	Activities	Completed (✓)
CDPH	<ul style="list-style-type: none"> • Notify OES PIO of the identified CDPH public information representative to coordinate Emergency Public Information with OES. • Develop public health criteria for cooling facilities keeping in mind that pets may be in the facility, the needs of vulnerable populations, including Disabilities Community, and possible 24-hour operations. • CDPH Licensing and Certification – monitors heat related unusual occurrences reported by long term care facilities in affected areas until they are resolved. • CDPH Licensing and Certification – provides long term care facilities that report problems information on caring for patients/residents during extreme heat conditions and the reporting process facilities must follow to report any unusual occurrence related to the extreme heat. 	
CDSS	<ul style="list-style-type: none"> • CDSS will continue to distribute excessive heat-related information and preparation tips to licensees during all facility visits to ensure that licensees are aware of how to respond if an emergency or a disaster occurs. 	
DMH	<ul style="list-style-type: none"> • Continue having DMH Licensing reviewers ensure that the MHRC and PHF facility disaster and emergency preparedness plans are reviewed, updated and sufficient to address the needs of all hazards emergencies and disasters. 	
CNG	<ul style="list-style-type: none"> • Armories identification/preparation. 	
DDS	<ul style="list-style-type: none"> • Notify community based programs serving people with developmental disabilities regarding any status changes and monitor their statuses. • DDS quality assurance system ensures that state developmental centers and state operated community facilities emergency preparedness plans are reviewed, updated and sufficient to address the needs of all possible emergencies and disasters. • Contract requirements for regional centers emergency preparedness plans are monitored for compliance. 	
DOR	<ul style="list-style-type: none"> • Notify community based organizations serving people with disabilities regarding any status changes and be available to advise OES on potential issues and needs of the community. 	
EDD	<ul style="list-style-type: none"> • Prepare to respond to possible increase in unemployment resulting from an excessive heat emergency. 	
EDU	<ul style="list-style-type: none"> • Notify schools to review school procedures and practices for measures school children and schools should take in excessive heat emergency conditions 	
EMSA	<ul style="list-style-type: none"> • Disseminate hazard-related information to regional and local medical partners. Prepare to provide medical assistance upon request to support local medical system needs. 	

Phase III – Heat Alert

Issued when a local operational area has issued a heat alert or when Heat wave Response Conditions have been met.

Responsible Dept./Agency	Activities	Completed (✓)
National Weather Service (NWS)	<ul style="list-style-type: none"> ● National Weather Service (NWS) send notifications to CA State Warning Center (CSWC). 	
Key state response agencies	<ul style="list-style-type: none"> ● Participate in daily conference call with local and state agencies via the Heat Emergency Task Force. ● Collaborate to identify any anticipated needs or problems. 	
CSWC	<ul style="list-style-type: none"> ● Notifies OES and CDPH and EMSA Duty Officers, the OES Regional Administrators (RA), the Governor's Office, and executive staffs that an Excessive Heat Alert has been issued. 	
OES / SOC / Affected REOCs	<ul style="list-style-type: none"> ● Disseminate the scope of the alert to the Operational Areas (OA). ● Notify FTB to stand-by to or establish the toll-free phone number. ● Standby for or initiate the Daily Excessive Heat Emergency Planning Group calls and reports – will commence to determine the current situation and the readiness and availability of potentially needed resources. ● Activate with a focused coordination with local governments to assist in the establishment of cooling facilities at fairgrounds and state buildings. (LOCAL COOLING FACILITIES SHOULD HAVE ALREADY BEEN IDENTIFIED IN LOCAL PLANS AND BE OPENING IN THIS PHASE). ● Assess resource needs with affected localities and acquisition of appropriate resources will be initiated, if not already underway. ● Release critical pre-scripted and event-related public safety information. ● State Operations Center (SOC), Regional Emergency Operations Center (REOC) stand-by. ● Develop staffing patterns as necessary. ● Give Daily Briefing to Governor's Office. ● Activate draft Contingency Plan for Excessive Heat Emergencies. ● Notify all key state agencies and provide current situation information. ● Schedule conference calls once daily concerning weather, electrical power, and situational status. ● <u>(Conference Call Agenda Format in Appendices)</u> ● Quickly identify gaps in contacts, especially with vulnerable populations, Disabilities Communities, cooling centers, and transportation. ● OES Regional Offices contact all local Emergency Managers on a daily basis. 	

Responsible Dept./Agency	Activities	Completed (✓)
	<p><u>OES Operations</u></p> <ul style="list-style-type: none"> ● Activate the OES Excessive Heat Emergency portal on <i>RIMS</i> and the Cooling Center Map information on the OES home page. ● Ensure that updated timely information is communicated to FTB for use in responding to calls on the toll-free number, if activated. ● OES tasks California Department of Food and Agriculture (CDFA) to open State Fair Cooling Centers in the affected area, to augment local cooling centers already open. ● OES tasks California National Guard to open armories. (Refer to CDSS re: state staffing, if needed.) ● OES contact local emergency management, EMSA contact local emergency medical, and CDPH contact local public health offices to determine the adequacy of transportation for vulnerable populations, including Disabilities Community. ● Respond appropriately to all requests for assistance. ● OES Law Enforcement Branch coordinates with the County Coroners offices to track mortality data. ● OES Law Enforcement collects death-related information. ● OES Law Enforcement coordinates security for state shelters, if necessary. 	
<p>OES Office of Public Information (OPI)</p>	<ul style="list-style-type: none"> ● Distribute to the impacted Oas and OES Regional Administrators excessive heat emergency pre-scripted educational materials specific to the excessive heat event at hand. ● Commence Press Conferences to ensure the public is kept informed concerning actions underway and assistance available. ● Issue materials focused on vulnerable populations, including Disabilities Community with links to local resources. ● Issue public notices in coordination with CDPH and EMSA in the affected area through TV/Radio, including ethnic and Disabilities Community media, through the above named agencies, specific businesses and sport venues with specific risk reduction guidance and notification to check on vulnerable populations (neighbors, those living alone, children, physically impaired, medically fragile, etc.) ● OES, CDPH and EMSA Public Information Officers (PIOs) are notified and briefed by their respective duty officers (Dos). ● OES, CDPH and EMSA issue joint press release. ● OES PIO requests other state agency PIOs and OES Regional Administrators (RA) to distribute to the impacted Operational Areas (OA) the following: <ul style="list-style-type: none"> ● Excessive Heat Emergency educational materials; ● Information about the OES Excessive Heat Emergency portal in <i>RIMS</i>; 	

Responsible Dept./Agency	Activities	Completed (✓)
	<ul style="list-style-type: none"> • Cooling Center Map database; • State operated cooling centers. • Notifications by OES and/or CDPH and EMSA to specific businesses and sport venues, <u>outdoor public events</u>, with specific risk reduction guidance, • <u>Notification to transportation authorities to check physical infrastructure.</u> • Notifications by OES and/or CDPH strongly encouraging to check on vulnerable populations, including Disabilities Community known to the county or served by the county-run programs, including but not limited to the following: • Single resident occupancy (SRO) buildings • Neighbors, those living alone, children, Disabilities Community, medically fragile, etc. 	
CDFA	<ul style="list-style-type: none"> • Identify shelter facilities to be used for cooling centers if requested from locals through OES. • Outreach to Ag commissioners and growers if significant agricultural impacts expected. 	
CDA	<ul style="list-style-type: none"> • Instruct local Ombudsman programs to report back to CDA any skilled nursing or residential care facility complaints they receive related to temperature conditions in the facility or health/safety issues related to the heat. • Advise all CDA contractors of the heat advisory warnings, public health alerts being issued, and the availability of heat tip sheets that are available on the OES, CDPH and CDA websites for dissemination. • Request that any shortages of supplies/equipment that contractors are encountering be communicated to CDA. • Remind contractors that they need to request additional resources through their county OES. • Instruct CDA contractors to continue to provide them with updated heat-related information until the extreme weather condition ends. 	

Responsible Dept./Agency	Activities	Completed (✓)
<p>CDPH</p>	<ul style="list-style-type: none"> ● Disseminate information specific to the heat alert event to local Public Health Officers/ Departments via conference calls and/or CAHAN, and in coordination with EMSA disseminates information specific to the heat alert event to the MHOACs, RDMHCs, RDMHS, and LEMSAs via conference calls and/or CAHAN. ● Notify Executive Staff and programs (i.e. Licensing and Certification, EPO, PIO) of the alert and the potential for redirection of staff activities for surveillance, information gathering, JEOC activation, etc. ● Determine, in conjunction with Emergency Medical Services Authority (EMSA), whether to activate the Joint Emergency Operation Center (JEOC). ● Contact and coordinate, via conference calls and the California Health Alert Network (CAHAN), with the following: Local Public Health Officers; CDPH Executive Staff and programs (i.e. Licensing and Certification, Emergency Preparedness Office (EPO), and Public Information Officer (PIO); ● CDPH Licensing and Certification – Monitors heat related unusual occurrences reported by long term care facilities in affected areas until they are resolved. ● CDPH notifies Skilled Nursing Facilities (SNF) and Intermediate Care Facilities (ICF). (In-Home Support Services (IHSS) administered by Department of Social Services). <p><u>CDPH Operations</u></p> <ul style="list-style-type: none"> ● Collect local health-related information from local health departments in affected areas. ● CDHS Licensing and Certification – provides long term care facilities that report problems information on caring for patients/residents during extreme heat conditions and the reporting process facilities must follow to report any unusual occurrence related to the extreme heat. ● CDHS, EMSA and OES contact local emergency management, local emergency medical, and local public health offices to determine the adequacy of transportation for vulnerable populations. 	
<p>CDSS</p>	<ul style="list-style-type: none"> ● CDSS will request all Licensing Program Analysts to provide, during all facility visits, excessive heat information and preparation tips to licensees of community care and child care facilities to ensure that they are prepared to care for clients and residents during excessive heat conditions. ● CDSS will ensure that licensees are aware of how to respond if an emergency/crisis occurs. ● CDSS will provide local emergency response agencies lists of licensed facilities in their jurisdiction ● CDSS Adult Programs Branch will issue an All County Information Letter (ACIN) directing counties to contact APS/IHSS recipients to evaluate their safety in the event of an extreme heat alert. ● CDSS post extreme heat weather advisory tips/information at the following website: http://www.dss.cahwnet.gov/dapd/res/pdf/ColdWeatherAdvisory.pdf CDSS Adult Programs Branch prepared to forward this information to each county, the CA Association of Public Authorities (CAPA) and the California Welfare Directors Association (CWDA) when an extreme heat alert is issued. 	

State Contingency Plan for Excessive Heat Emergencies
June 2007

Responsible Dept./Agency	Activities	Completed (✓)
	<ul style="list-style-type: none"> ● CDSS will ask providers and service workers to contact clients, the most vulnerable first. ● Assess State commodity reserves that can be used for disaster response. ● Establish communications with the local food banks to determine their inventory and needs. ● CDSS will regularly communicate with local food banks to assess any increased participation rates and provide additional food when necessary and available. ● Identify staffing for activated state operated shelters in support of local government, if needed. 	
<p>DDS</p>	<ul style="list-style-type: none"> ● Ensure that all developmental centers, state-operated community facilities, and regional centers are alerted to any Heat Advisories and/or Warnings and Alerts that impact their geographic area. (This is currently in practice based upon the daily notices issued by the OES Warning Center.) ● DDS regional centers and state-operated community facilities will implement various procedures to protect the health and safety of residents and staff, including, but not limited to the following: <ul style="list-style-type: none"> ● curtailing or suspending outdoor activities, ● closing training sites that lack air conditioning, ● providing for alternate activities for residents in air conditioned areas, ● providing extra fluids, sunscreen and modified clothing, ● adjusting employee work schedules to avoid strenuous assignments during afternoon heat, ● distributing reminders to staff regarding precautionary measures. ● DDS regional centers will initiate contact with their community emergency preparedness networks to identify cooling sites and resources for assisting persons to access those sites if needed. ● DDS Regional centers will initiate contact with service providers and consumers who live independently to provide them with information about precautionary measures for protecting the health and safety of consumers and staff, identification of cooling sites, and other pertinent information. 	

Responsible Dept./Agency	Activities	Completed (✓)
DMH	<ul style="list-style-type: none"> ● All facilities ensure that nursing staff are familiar with patients taking antipsychotic and other forms of medications that have possible drug/heat or sun exposure interactions. Hats, sunscreens, and prompts to drink fluid are also available for patients and staff as needed. Outdoor activity is limited. ● Contact County Mental Health Directors and all licensed facilities to ensure that they have all necessary information regarding locating cooling centers and access to cooling tips. For licensed facilities, determine if additional assistance is needed and take appropriate action. ● DMH Licensing and Certification will ensure that all Mental Health Rehabilitation Centers (MHRCs) and Psychiatric Health Facilities (PHFs) are alerted to any Heat Advisories and/or Warnings and Alerts that impact their geographic area. (This is currently in practice based upon the daily notices issued by the OES Warning Center.) ● DMH Licensing and Certification will also ensure that host counties [MHPs] of MHRCs and PHFs are alerted to any Heat Advisories and/or Warnings and Alerts that impact their geographic area and will request the MHP monitor and provide appropriate assistance to the facility under their jurisdiction as needed. ● DMH Licensing and Certification will provide heat-related tips/information to all MHRCs and PHFs. Specifically, DMH Licensing and Certification will request all providers of MHRCs and PHFs to implement numerous procedures to protect the health and safety of residents and staff, including but not to be limited to the following: <ul style="list-style-type: none"> ● providing the contact information to the community emergency preparedness networks to identify cooling sites and resources for assisting persons to access those sites if needed. ● curtailing or suspending outdoor activities, ● providing for alternate activities for residents in air conditioned areas, ● providing extra fluids, sunscreen and modified clothing, ● distributing reminders to staff regarding precautionary measures. ● While on site for annual reviews, DMH Licensing reviewers ensure that the MHRC and PHF facility disaster and emergency preparedness plans are reviewed, updated and sufficient to address the needs of all possible emergencies and disasters. 	

State Contingency Plan for Excessive Heat Emergencies
June 2007

Responsible Dept./Agency	Activities	Completed (✓)
DOR	<ul style="list-style-type: none"> • DOR will place staff on call, including qualified sign language interpreters, to provide assistance, if necessary. • Notify community based organizations serving people with disabilities regarding any status changes and be available to advise OES on potential issues and needs of the community. • Advise on accessibility of and taking measures to ensure usability of shelters. • As needed, work with OES to arrange for the provision of services to consumers. • Notify all ILC centers to advise of appropriate measures to take in the extreme heat emergency conditions. • Assess needs of individuals with disabilities and relay information to appropriate affiliated agency. 	
EDD	<ul style="list-style-type: none"> • Provide access to Individual Assistance for Unemployment. (This program is available on regular basis.) • Anticipate the possible need for providing access to Insurance & Disaster Unemployment Assistance (Funded by Department of Labor through EDD in the case of a Presidential Disaster declaration), and take preparatory actions as appropriate to the situation. 	
EMSA	<ul style="list-style-type: none"> • Communicate EMSA's activities to Executive Management and CA Health & Human Services Agency (CHHSA) • EMSA and CDPH coordinate information dissemination specific to the extreme heat emergency alert event to local Public Health Officers/ Departments, the MHOACs, RDMHCs, RDMHS and LEMSAs via conference calls and emails and/or CAHAN. • Determine, in conjunction with CDPH whether to activate the Joint Emergency Operation Center (JEOC). • Maintain communication with RDMHCs, RDMHSs, MHOACs, and LEMSAs to identify and potential needs for medical assistance to local government. • Coordinate with CDPH and CDSS on potential medical support needed in support of local or State shelters. 	

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Phase IV – Heat Emergency

Issued when a local operational area declares a heat emergency based on the heat index and other local considerations or when Heat wave Response Conditions have been met. This corresponds to the NWS Heat Category of Danger.

Responsible Dept./Agency	Activities	Completed (✓)
National Weather Service (NWS)	<ul style="list-style-type: none"> Send notifications to CA State Warning Center (CSWC). 	
CSWC	<ul style="list-style-type: none"> CSWC notifies OES and CDPH and EMSA Duty Officers, the Governor’s Office, and executive staffs that Heat Emergency has been issued. 	
Key State Response Agencies	<ul style="list-style-type: none"> Initiate coordination with local and state agencies. 	
OES Director	<ul style="list-style-type: none"> Advise Governor on local activities and needs. In conjunction with the Multi-Agency Heat Emergency Task Force, identify any rules and executive actions the Governor may be advised to take to alleviate the situation, including the proclamation of a state of emergency by the Governor. <p>A state of emergency proclamation by the Governor is warranted when:</p> <ol style="list-style-type: none"> There exists conditions of disaster or of extreme peril to the safety of persons, which, by reason of their magnitude, are or are likely to be beyond the control of the services, personnel, equipment, and facilities of any single county, city and county, or city and require the combined forces of a mutual aid region or regions to combat, or with respect to regulated energy utilities, a sudden and severe energy shortage requires extraordinary measures beyond the authority vested in the California Public Utilities Commission [Government Code Sections 8558(b) and 8625(a)]; or The Governor is requested to do so by the mayor of a city or the chairman of the county board of supervisors or the county administrative officer [Section 8625(b)]; or The Governor finds that local authority is inadequate to cope with the emergency [Section 8625]; and Local emergency response costs are significant to make these costs eligible for reimbursable under the California Disaster Assistance Act or as a prerequisite for a request for federal disaster assistance for state and local governments. <p>Proclamation gives the Governor authority: (a) over all agencies of the state government (Section 8627) to provide supplemental services and equipment to political subdivisions in order to provide for the health and safety of the citizens of the affected area (Section 8628); (b) to make, amend, or</p>	

Responsible Dept./Agency	Activities	Completed (✓)
	<p>rescind orders and regulations that temporarily suspend any state county, city or special district statute, ordinance regulation, or rule imposing non-safety related restrictions on the delivery of emergency necessities distributed through retail or institutional channels, including, but not limited to, hospitals, jails, restaurants, and schools [Section 8627.5(a)] and (c) to commandeer or utilize any private property or personnel deemed by him necessary in carrying out the responsibilities vested in him as Chief Executive of the state (Section 8572).</p>	
<p>SOC / Affected REOCs Duty Officers</p>	<ul style="list-style-type: none"> • Standby for or initiate Daily Heat Emergency Task Force calls and reports that identify areas impacted, deaths, cooling center locations and operations. • Activate the SOC, REOC, CDPH DOC, EMSA DOC and/or CDPH/EMSA JEOC to appropriate levels. • Direct requested state resources as necessary to assist local governments. • Develop OES staffing patterns as necessary. • OES and CDPH/EMSA JEOC develop action plan. • Establish twice Daily Briefing schedule for Governor's Office. • Notify all key state agencies involved with heat emergencies and provide current situation information. • Establish a schedule for conference calls twice daily concerning weather, electrical power, and operational status, with emphasis on power generation status. <u>Key state agencies listed on last page.</u> • Contact local emergency management agencies at least twice a day; • Quickly identify gaps in contacts, especially with vulnerable populations, cooling stations, and transportation. • Contact and coordinate with all Emergency Managers through OES Regional Offices, RIMS and EDIS. • OES Regional Offices contact all local Emergency Managers. • Obtain identification of the Cooling Center locations, including senior centers, community centers, shopping malls, churches, possibly ice skating rinks, and other potential cooling centers. • Advise to cancel government sponsored and/or outside school sponsored sporting events with advisories given to those participating in outdoor activities. • Advise local government to do wellness checks on vulnerable populations. • Advise local governments to implement plans for dealing with vulnerable populations, including but not limited to SRO's and outreach to the homeless. • Advise impacted/affected local governments that have social service, public health, public safety and community organizations to check on those most at risk including seniors living alone and those 	

Responsible Dept./Agency	Activities	Completed (✓)
	<p>in single room occupancy buildings.</p> <p><u>OES Operations</u></p> <ul style="list-style-type: none"> ● Maintain the OES/FTB Extreme Heat Emergency Portal via RIMS and access the call volumes for the appropriate adjustment to resources (number of phones) committed daily and the toll-free number. ● OES tasks CDFA to open State Fair Cooling Centers in the affected area to augment local cooling centers already open. ● OES tasks California National Guard to open armories. (Refer to CDSS re: state staffing, if needed.) ● OES, CDPH, and EMSA in coordination contact local emergency management and health office to determine the adequacy of transportation for vulnerable populations to cooling centers as necessary. ● OES/DOR coordinates with CFILC to determine the adequacy of transportation for disabilities community population living independently. ● OES responds appropriately to all requests for assistance. ● OES Law Enforcement Section to collect death-related information. ● OES Law Enforcement coordinates security for state shelters, if necessary. 	
<p>OES Office of Public Information (OPI)</p>	<ul style="list-style-type: none"> ● All of the notification actions listed previously in Phases II and III above are undertaken, and additionally, with posting of tips in notices at grocery stores, hospitals, community centers, doctors' offices and homeless shelters. ● Schedule press conferences to inform the public and provide safety information. ● Monitor cooling centers and their operations. ● Continue to issue tips on extreme heat emergency protective measures through sources previously identified. ● Provide links and information on cooling centers. ● Issue joint press release with CDPH and EMSA. ● Request other state agency PIOs and OES RAs to distribute to the impacted OAs the emergency pre-scripted educational materials specific to the extreme heat event at hand. ● OES RA's disperse pre-scripted information to OAs containing information about OES Extreme Heat Emergency portal in RIMS, the Cooling Center Map on the OES home page, the toll-free number, and state operated cooling centers. 	

Responsible Dept./Agency	Activities	Completed (✓)
ADP	<ul style="list-style-type: none"> • Alcohol & Drug Program (ADP) contact appropriate local alcohol and drug program administrators to assess any disruption in the continuity of services and treatment protocols. • Report any such disruption to Health and Human Services Agency before being forwarded to OES. 	
CNG	<ul style="list-style-type: none"> • Open armories for shelters at request of OES to augment local shelters already open. (Refer to CDSS re: state staffing, if needed.) 	
DOA	<ul style="list-style-type: none"> • Instruct local Ombudsman programs to report back to CDA any skilled nursing or residential care facility complaints they receive related to temperature conditions in the facility or safety issues related to the extreme heat conditions. • Advise all of CDA's contractors of the extreme heat emergency warnings, public health alerts being issued, and the availability of tip sheets that are available on OES', CDPH', EMSA's and DOA's websites for dissemination. • Request that any shortages of supplies/ equipment that contractors are encountering be communicated to CDA. • Remind contractors that they need to request additional resources through their county OES. • Instruct CDA contractors to continue to provide them with updated extreme heat related information until the extreme weather condition ends. 	
CDFA	<ul style="list-style-type: none"> • If tasked by OES, open State Fair Cooling Centers in the affected area to augment local cooling centers already open. • Outreach to Ag Commissioners and growers if significant agricultural impacts expected. 	
CDPH	<ul style="list-style-type: none"> • Notify Executive Staff and programs (i.e. Licensing and Certification, EPO, PIO, Primary and Rural Health Care Systems Branch (PRHCSB)) of the emergency and the potential for redirection of staff activities for surveillance and information. • CDPH and OES Public Information Officers (PIOs) are notified and briefed by their respective duty officers (DOs). • Contact and coordinate with the following via conference calls and the California Health Alert Network (CAHAN): <ul style="list-style-type: none"> • Local Public Health Officers; • CDPH Executive Staff and programs (i.e. Licensing and Certification, Emergency Preparedness Office (EPO), and • Public Information Officer (PIO); • Issue press release in coordination with EMSA and OES, via the Joint Information Center (JIC) at OES. 	

Responsible Dept./Agency	Activities	Completed (✓)
	<ul style="list-style-type: none"> ● Respond to the SOC/REOC, as requested by OES. ● CDPH Licensing and Certification – monitors heat related unusual occurrences reported by health care facilities in affected areas until they are resolved. ● Collect local health-related information from local health departments in affected areas. ● CDPH Primary and Rural Health Care Systems Branch will provide a list of primary care clinics in the affected counties that provide services to patients regardless of ability to pay. ● Drinking Water system outreach. <p><u>CDPH Operations</u></p> <ul style="list-style-type: none"> ● CDPH Licensing and Certification – provides long term care facilities that report problems information on caring for patients/residents during extreme heat conditions and the reporting process facilities must follow to report any unusual occurrence related to the extreme heat. 	
<p>CDSS</p>	<ul style="list-style-type: none"> ● Include heat-related tips/information on DSS’ website, including local emergency response information provided by local emergency response agencies when an Extreme Heat Emergency is issued. ● Provide extreme heat-related tips/information to provider associations for inclusion to their websites and distribution lists. ● Provide extreme heat-related tips/information to placement agencies and ombudsman offices and request they distribute it during any visit to a licensed facility. ● Provide local emergency response agencies lists of licensed facilities in their jurisdiction. ● Contact counties to ensure they are monitoring the situation and are in contact with the In-Home Support Services (IHSS) recipients. (County Welfare Departments are responsible for contacting IHSS). ● Notify all county IHSS program managers reminding them to begin activating their local Extreme Heat Emergency Response Plan. ● Collect and record county-action data. This will allow the Adult Programs Branch to report the progress of county actions during an extreme heat emergency to ensure the safety of this vulnerable population. ● Monitor county actions as reported to the Adult Programs Branch as part of the county’s Heat Emergency Response Plan protocols. ● Contact Adult Protective Services (APS) agencies and inform them of the extreme heat emergency and request them to use their existing protocols and systems to prepare individuals or physically check on appropriate individuals considered at risk for safety and/or well-being. ● Ensure that all licensing offices are alerted to any Extreme Heat Advisories, Warning and Alerts that impact their geographic area. 	

Responsible Dept./Agency	Activities	Completed (✓)
	<ul style="list-style-type: none"> • Ensure that licensing staff, as needed, contact licensees in their geographic area to ensure that licensees are taking appropriate steps to protect clients and residents, and to determine if additional assistance is needed. • Coordinate with local county food banks to ensure that they have an adequate supply of food to meet any increased participation demands. Ship additional food from the State reserves as necessary and available. • CDSS APB assist counties that may need clarification regarding the process for obtaining reimbursement of their expenses in the event of a heat emergency. • Identify staffing for activated state operated shelters in support of local government, if needed. 	
CalVolunteers (previously CSC)	<ul style="list-style-type: none"> • Ensure that California Volunteers volunteer organizations are contacted and utilized as appropriate. 	
CNG	<ul style="list-style-type: none"> • Utilize California National Guard (CNG) for person-to- person contact and transportation if the situation is widespread, prolonged or compounded by blackouts. • Open armories for shelters if requested by OES in support of local government. 	
DDS	<ul style="list-style-type: none"> • Ensure that all developmental centers, state operated community facilities, and regional centers are alerted to any Heat Advisories, Warnings and Alerts that impact their geographic area. (This is current practice based upon the daily notices from the OES Warning Center.) • DDS regional centers and state-operated community facilities will implement various procedures to protect the health and safety of residents and staff, including, but not limited to, <ul style="list-style-type: none"> • curtailing or suspending outdoor activities, • closing training sites that lack air conditioning, • providing for alternate activities for residents in air conditioned areas, • providing extra fluids, sunscreen and modified clothing, • adjusting employee work schedules to avoid strenuous assignments to avoid afternoon heat, and • distributing reminders to staff regarding precautionary measures. • DDS Regional centers will initiate contact with their community emergency preparedness networks to identify cooling sites and resources for assisting persons to access those sites if needed. • DDS Regional centers will initiate contact with service providers and consumers who live independently to provide them with information about precautionary measures to protect the health and safety of consumers and staff, identification of cooling sites, and other pertinent information. 	

Responsible Dept./Agency	Activities	Completed (✓)
DOR	<ul style="list-style-type: none"> ● DOR will place staff on call, including qualified sign language interpreters, to provide assistance, if necessary. ● Notify community based organizations serving people with disabilities regarding any status changes and be available to advise OES on potential issues and needs of the community. ● Advise on accessibility of and taking measures to ensure viability of shelters. ● As needed, work with OES to arrange for the provision of services to consumers. ● Notify all ILC centers to advise of appropriate measures to take in the extreme heat emergency conditions. ● Assess needs of individuals with disabilities and relay information to appropriate affiliated agency. 	
DMH	<ul style="list-style-type: none"> ● All facilities ensure that nursing staff carefully monitor patients taking antipsychotic and other forms of medications that have possible drug/heat or sun exposure interactions. Hats, sunscreens, and prompts to drink fluid are also available for patients and staff as needed. Outdoor activities are terminated as needed. ● Contact County Mental Health Directors and licensed facilities to ensure that they have all necessary information regarding locating cooling centers and access to cooling tips. For licensed facilities, determine if additional assistance is needed and take appropriate action. ● DMH Licensing and Certification will ensure that all Mental Health Rehabilitation Centers (MHRCs) and Psychiatric Health Facilities (PHFs) are alerted to any Heat Advisories and/or Warnings and Alerts that impact their geographic area. (This is currently in practice based upon the daily notices issued by the OES Warning Center.) ● DMH Licensing and Certification will also ensure that host counties [MHPs] of MHRCs and PHFs are alerted to any Heat Advisories and/or Warnings and Alerts that impact their geographic area and will request the MHP monitor and provide appropriate assistance to the facility under their jurisdiction as needed. ● DMH Licensing and Certification will provide heat-related tips/information to all MHRCs and PHFs. Specifically, DMH Licensing and Certification will request all providers of MHRCs and PHFs to implement numerous procedures to protect the health and safety of residents and staff, including but not to be limited to the following: <ul style="list-style-type: none"> ● providing the contact information to the community emergency preparedness networks to identify cooling sites and resources for assisting persons to access those sites if needed. ● curtailing or suspending outdoor activities, 	

Responsible Dept./Agency	Activities	Completed (✓)
	<ul style="list-style-type: none"> ● providing for alternate activities for residents in air conditioned areas, ● providing extra fluids, sunscreen and modified clothing, ● distributing reminders to staff regarding precautionary measures. ● While on site for annual reviews, DMH Licensing reviewers ensure that the MHRC and PHF facility disaster and emergency preparedness plans are reviewed, updated and sufficient to address the needs of all possible emergencies and disasters. 	
EDD	<ul style="list-style-type: none"> ● Provide access to Individual Assistance for Unemployment. ● Provide access to Insurance & Disaster Unemployment Assistance (funded by Department of Labor through EDD) if there has been a Presidential Disaster declaration. 	
EMSA	<ul style="list-style-type: none"> ● Communicate EMSA's activities to Executive Management and CHHSA. ● EMSA and CDPH coordinate information dissemination specific to the extreme heat emergency alert event to local Public Health Officers/ Departments, the MHOACs, RDMHCs, RDMHS and LEMSAs via conference calls and emails and/or CAHAN. ● Determine, in conjunction with CDPH whether to activate the Joint Emergency Operation Center (JEOC). ● Maintain communication with RDMHCs, RDMHSs, MHOACs, and LEMSAs to identify and potential needs for medical assistance to local government. ● Coordinate with CDPH and CDSS on potential medical support needed in support of local or State shelters. ● Mobilize medical mutual aid assets if requested by local government. ● Issue press release in coordination with CDPH and OES via the Joint Information Center (JIC) at OES. ● Include heat-related tips/information on EMSA's website, including local emergency response information provided by local emergency response agencies when an Extreme Heat Emergency is issued. ● Provide extreme heat-related tips/information to RDMHSs, RDMHSs, MHOACs, and LEMSAs, and provider associations for inclusion to their websites and distribution lists. ● Respond to the SOC/REOC as requested by OES. 	

10. LOCAL GOVERNMENT Guidance: Roles & Responsibilities

Guidance: Roles & Responsibilities

This plan recognizes the local agencies may have a system for managing heat emergencies. It also recognizes that those systems should be consistent with SEMS and NIMS. It is the intent of this guidance to provide a tool to further assist local efforts and to better coordinate with efforts initiated by state agencies. The guidance is intended to be applied flexibly to fit unique community needs.

Local preparedness efforts must be coordinated across levels of local government, within the SEMS/NIMS framework.

An example of a local government EOC organization during activation in response to an extreme heat related event is illustrated below.

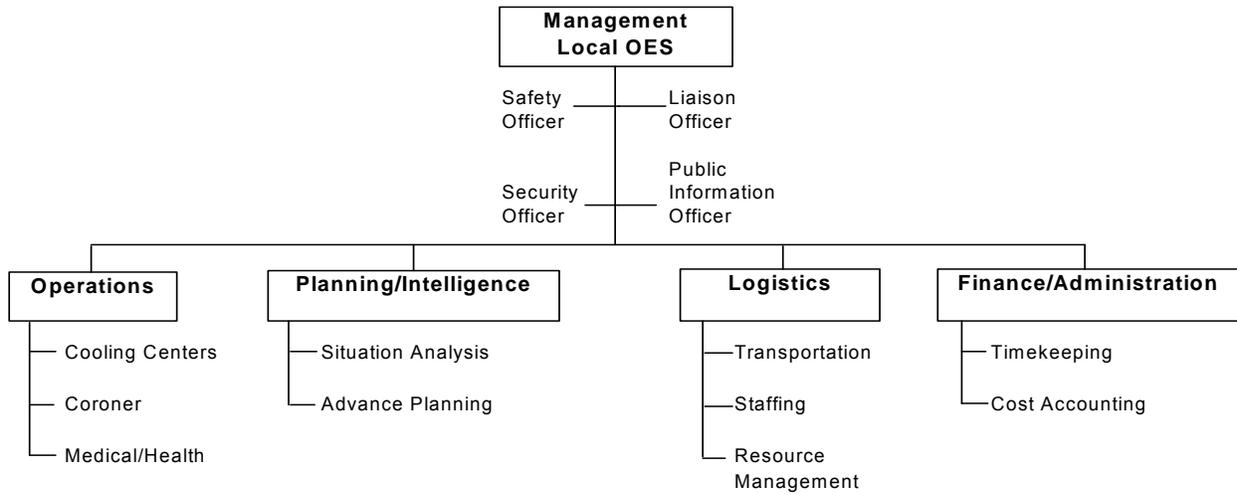


Fig. 2 Local EOC SOC Organizational and Basic Staffing

11. LOCAL GOVERNMENT Checklists

The following are some actions that if applied, can assist local governments in addressing extreme heat related emergencies. **This checklist is not a list of required actions.** Each local government may have changes and/or additions to make to adapt it to their jurisdiction. Again, the checklist is intended to be used flexibly to fit unique community needs.

Seasonal Approach

Seasonal preparedness efforts should always be incorporated appropriately.

Phases for an extreme heat conditions are listed below:

- I. Seasonal Readiness
- II. Increased Readiness
- III. Extreme Heat Alert
- IV. Extreme Heat Emergency

Local Guidance for Phase I – Seasonal Readiness

<u>Local Activity</u>	Responsible Dept./Agency	Applied (✓)
<p>Planning</p> <ul style="list-style-type: none"> • Establish "working group" consisting of those agencies/ departments, private, volunteer and service organizations, food banks, faith-based groups, immigrant groups to identify the vulnerable populations and develop a strategy for notification and emergency actions to include establishing cooling centers and transportation. • Determine local activation levels of an extreme heat emergency plan utilizing the activation levels and phases indicated in this document and local weather conditions and climatic variations. • Develop a plan for coordinating in-home visits to vulnerable populations with volunteer and service groups. 		
<p>Awareness</p> <ul style="list-style-type: none"> • Identify volunteer and service organizations, private sector, food banks, faith based organizations, immigrant groups, medical and care facilities, schools representatives, law enforcement and fire personnel and other representatives to determine the location of vulnerable populations and determine needs. *Investigate the "registering" issue to address the needs of people with disabilities. • Coordinate with state programs serving people with disabilities to ensure needs are addressed. • Local agencies collaborate to identify any anticipated needs or problems. • Develop public safety materials that include posters, flyers, and public media announcements. Announcements must include information of people with disabilities regarding how to obtain 		

<u>Local Activity</u>	Responsible Dept./Agency	Applied (✓)
<p>paratransit transportation to be used in emergency/disaster situation.</p> <ul style="list-style-type: none"> ● Establish processes to rapidly disseminate extreme heat emergency advice to vulnerable populations in a timely manner through service groups, food banks, CERT, disability organizations, immigrant groups, care providers, medical and health facilities, workplaces, schools, public facilities and private industries. Ensure compliance with program accessibility persons with hearing impairments via captioning or sign language interpretation by all broadcasters for all emergency messages. ● Consider utilizing current grant funding (i.e., EMPG, Homeland Security) to develop 2-1-1 capability and reverse 911 system with TTY/TDD capabilities to contact persons with disabilities, including text paging for people with hearing impairments and audible messaging for people with sight impairments. Reverse 911 would notify people who are blind or visually impaired. ● Conduct "Extreme Heat Emergency Awareness" fairs and exercise extreme heat emergency plans. 		
<p>Cooling Centers</p> <ul style="list-style-type: none"> ● Identify facilities that can be used for cooling centers and contact facility owners. It may be helpful to coordinate with local chambers of commerce, public agencies and the CDFA and other state agencies with facilities in the area to identify Cooling Centers. ● Coordinate with local utilities to identify buildings best suited for cooling centers that would not be subject to rotating blackouts. ● Provide points of contact for initiating cooling center operations, if necessary. ● Develop public health criteria for cooling center facilities keeping in mind to consider accommodations for pets and possible 24 hour operations. ● Develop and implement a plan that identifies potential cooling centers/shelters that are ADA compliant or with appropriate measures taken (i.e., accessible portable restroom) can be useable by people with disabilities. 		
<p>Transportation</p> <ul style="list-style-type: none"> ● Develop a transportation working group consisting of public, private, volunteer and service organizations to identify and develop a transportation component and procedures to ensure vulnerable populations are provided transportation to cooling centers, including wheelchair accessible transportation. ● Identify and coordinate procedures, including memoranda of understanding, to ensure transportation, including wheelchair accessible transportation, is available for those in need of cooling centers. ● Identify ways for people with disabilities to notify appropriate authorities when transportation to cooling centers is needed. 		

Local Guidance for Phase II – Increased Readiness

<u>Local Activity</u>	Responsible Dept./Agency	Applied (✓)
<p>Awareness</p> <ul style="list-style-type: none"> ● Volunteer and service organizations, private sector, faith based organizations, medical and care facilities, schools representatives, law enforcement and fire personnel are put on notice to be prepared to contact vulnerable populations. ● Local agencies collaborate to identify any unanticipated needs or problems. ● Develop any additional public safety materials (in various accessible formats) that include posters, flyers, public media announcements. ● Disseminate advice on extreme heat emergency to vulnerable populations in a timely manner through the local emergency alert systems, service groups, CERT, CaliforniaVolunteers (CV), disabilities organizations, care providers, medical and health facilities, workplaces, schools, public facilities and private industries. Ensure compliance with program accessibility for persons with sight impairments via audible messages and persons with hearing impairments via captioning or sign language interpretation by all broadcasters for all emergency messages. 		
<p>Cooling Centers</p> <ul style="list-style-type: none"> ● Ensure that the facilities identified for cooling centers will be available. ● Confirm the points of contact for cooling center operations. ● Identify the services provided at the cooling facilities keeping in mind to consider accommodations for people with disabilities, service animals and domestic pets and possible 24 hour operations. ● Coordinate with the local electric utility to identify and develop procedures for the operations of volunteered cooling centers that could be exempt from rotating blackouts, if necessary. 		
<p>Transportation</p> <ul style="list-style-type: none"> ● Notify private, volunteer and service organizations involved in the transportation component and procedures to ensure availability to transport vulnerable populations to cooling centers, including wheelchair accessible transportation. ● Ensure that coordinate procedures, including memoranda of understanding, are in place to ensure accessible transportation, including wheelchair accessible transportation, is available for those in need of being transported to cooling centers. 		
<p>Other</p> <ul style="list-style-type: none"> ● Identify extreme heat emergency actions that will require emergency regulations or ordinances. ● Ensure there is a program for in-home visits to vulnerable populations with volunteer and service groups. 		

Local Guidance for Phase III – Heat Alert

<u>Local Activity</u>	Responsible Dept./Agency	Applied (✓)
Send extreme heat emergency related notifications to CA State Warning Center (CSWC).		
Local emergency services staff notifies their Regional Coordinator who contacts State OES PIO to distribute to the impacted OAs extreme heat emergency pre-scripted educational materials specific to the extreme heat emergency event at hand.		
Distribute information specific to the extreme heat emergency event at hand to local jurisdictions.		
Cities and counties should begin activating pre-identified Cooling Centers and work with volunteer groups to identify additional Cooling Centers that may be needed.		
Enter Cooling Center information into the Extreme Heat Emergency Web Portal on the State OES website for public availability.		
Activate Extreme Heat Emergency Plan		
Release pre-scripted extreme heat emergency protective measures to all media sources, and remind them of the need to be broadcasting in accessible formats.		
Activate telephone extreme heat emergency hotlines.		
Alert neighborhood volunteer groups, volunteer and service groups, CERT, disability organizations, social services agencies, medical facilities and care homes.		
Notify para-transit or other local transportation of the potential need to transport individuals to cooling centers.		
Activate cooling centers and direct public buildings to provide cooling center areas to those in need as appropriate. Identify ADA compliant centers so that persons with disabilities could be taken to those facilities; coordinate planning with local transportation providers.		
Coordinate and brief all emergency responders on actions to be undertaken and responsible departments/agencies.		
Coordinate with local utilities to assess power restrictions or limitations.		
Plan transportation services and ways for individuals to request the transportation if utilities fail. Para-transit potentially does not have phone line capacity to field calls because they still must provide regular services, if possible.		
Activate transportation resources, including para-transit and private accessible transit services to assist those without transportation, including service animals, to get to and from warming centers.		
Direct public buildings to provide cooling center areas to those in need.		

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<u>Local Activity</u>	Responsible Dept./Agency	Applied (✓)
Request mutual aid as needed through SEMS if weather forecast indicates an extreme heat emergency may be imminent.		
Activate EOC to the extent necessary.		
Establish regular public official briefings to include weather updates and actions taken and planned.		
Schedule regular reporting and monitoring procedures with cooling centers, volunteer and service organizations, utilities, public safety, medical facilities.		
Utilize cooling center website to notify the public of locations and hours of operation.		
Determine whether or not to proclaim a local emergency (or public health emergency) based on conditions or projected conditions.		
Consider reductions in energy usage in local public buildings and reduced hours of operations that would not impact the cooling center operations.		
Monitor power usage.		
Consider activation of Emergency Operations Center.		
Activate "hot line" for public information.		
Implement a method to track extreme heat emergency related deaths and medical emergencies associated with the extreme heat emergency event.		
Ensure all employees review and update their home emergency plans.		

Local Guidance for Phase IV – Heat Emergency

<u>Local Activity</u>	Responsible Dept./Agency	Applied (✓)
Monitor and determine need for more cooling centers and resource needs.		
Activate EOC		
Establish regular media releases.		
Track extreme heat emergency related fatalities and medical emergencies.		
Prioritize public offices that should remain open and close others to conserve energy.		
Issue targeted extreme heat emergency advisories to vulnerable populations through all sources.		
Monitor cooling center facilities providing regular updates on numbers of persons at each, disability-related needs, support issues, power availability.		
Coordinate activities with Operational Area and neighboring jurisdictions. If Operational Area coordinate with OES Region providing information updates, resource assessments and mutual aid requests.		
Declare emergency (local and/or public health) as appropriate.		
Identify any regulatory or ordinance issues that may need to be suspended.		
Establish regular briefings with the National Weather Service.		
Ensure all fleet vehicles fuel tanks have ample fuel in the event of power failure.		
Ensure employees have updated extreme heat emergency materials and methods for checking on family members.		
Continuously review and update emergency resource inventories.		
Ensure pet and animal extreme heat emergency impacts are being addressed through special facilities or pet accommodation at cooling centers.		
Request state activation of state emergency cooling centers (fairgrounds, etc.) in the vicinity as needed.		
Survey emergency resources and facilities to determine replenishment needs.		
Notify Ambulance providers and hospitals to expect and prepare for surge in extreme heat emergency related illnesses.		
Maintain regular reports to the Operational Area or OES Region if Operational Area.		
Track extreme heat emergency related fatalities and medical emergencies.		
Gather data on damages; submit IDE; prepare to participate in PDA, if appropriate; establish LACs, if appropriate, or provide staff to Service Center, if activated.		

12. Recovery Operations

Public Assistance:

Extraordinary emergency costs (such as overtime or equipment rental) incurred by local governments in response to an extreme heat disaster may be recovered (on a cost share basis) under the California Disaster Assistance Act, when the Governor has proclaimed a State of Emergency. Eligible costs may include the extra costs related to establishing cooling centers, staffing the EOCs, renting generators and air conditioners for the emergency sheltering effort, emergency public information costs, extreme heat-related morgue costs, and overtime costs for police and fire/rescue activities directly related to the extreme heat emergency. Additionally, funding can be provided (on a cost-share basis) to repair publicly owned facilities or infrastructure that can be repaired if damaged by the extreme heat conditions. This includes damaged transformers and other electrical equipment owned by a public utility. It may also include local (non-federal) roads with extreme heat related damage, for example, buckled roads or public rails, and other transportation systems damaged by the extreme heat conditions.

If the response and repair costs meet federal thresholds, the governor may request, through FEMA, a Presidential Declaration of a Major Disaster, opening up federal funds for these same applications under the Stafford Act. The federal Emergency Repair program of Federal Highways Administration may be independently activated so highways in the Federal Aid System can be covered for highway heat damage.

Individual Assistance:

In response to severe economic impacts in a disaster area, the Individual Assistance (IA) Section works closely with a variety of local, state, and federal agencies to identify recovery programs that may be able to assist individuals, businesses and farmers. In previous extreme heat conditions, some of the agencies the IA Section coordinated with were:

- State Employment Development Department (EDD) - Unemployment Insurance, Disaster Unemployment Assistance, and Job Training Services
- Department of Community Services and Development (CSD) Community Service Block Grants (CSBG) - Low-Income Home Energy Assistance Program (LIHEAP), migrant worker programs, and various other grant assistance.
- State Department of Mental Health (CDMH) - Crisis Counseling Immediate Services Program and Crisis Counseling Regular Program
- State Department of Developmental Services (CDDS) – Purchase of emergency services and supports, via local regional centers, to protect the health and safety of persons with developmental disabilities.
- Department of Social Services (DSS) – CalWORKs cash aid (including immediate need), Food Stamp Benefits (including expedited service and/or Disaster Food Stamp Benefits), and Food Commodities Programs
- U.S. Department of Agriculture (USDA) - Emergency Loan Program for farmers and ranchers for crop production and physical losses and other direct assistance through special legislation.
- US Department of Agriculture (USDA) Food and Nutrition Service – Disaster Food Stamp Program
- U.S. Small Business Administration - low-interest loans for economic losses to main street and agri-related businesses
- Voluntary and Community-Based Organizations - mortgage and rental assistance, food, shelter and clothing.

- Housing Community Develop (HCD) – funds may be redirected through local housing authorities to assist with housing needs.

Agricultural damage assessments may be conducted to determine if a request should be submitted to the US Department of Agriculture to activate their low-interest loan program. Similarly general business impact assessments may be conducted to determine if a request should be submitted to the US Small Business Administration to activate their low-interest loan program. Assessments will also be made to determine if a Presidential Disaster Declaration may be requested to access Disaster Unemployment Insurance or Crisis Counseling programs. (Note, the FEMA Mortgage and Rental Assistance program, heavily used in prior freeze disasters, is no longer available.)

Assistance Centers may be set up to provide information and assistance to disaster victims. If the centers are opened, OES PIO would do press releases and ask the media to make the information on hours/locations/etc available. OES would also do outreach through local government and community based organizations.

USDA Disaster Recovery Assistance Programs:

USDA-Farm Services Agency Programs

Crop Insurance – coverage is available on a crop by crop and county by county basis. For those producers who purchased a policy, they will be covered for any damage caused by the extreme heat and should contact their crop insurance agent immediately and prior to disposing of the crop.

Non-Insured Assistance Program (NAP) – A lower level of crop insurance for all crops for which regular crop insurance (see above) is not available. A \$100 coverage fee must be paid prior to the closing date for each individual crop for coverage to be in place.

Crop Disaster Program – Covers drop losses attributable to a weather related cause such as extreme heat. Not currently authorized or funded. **Congressional action required.**

Tree Assistance Program – Covers a portion of the cost of replanting trees killed by damaging weather such as an extreme heat. Not currently authorized or funded. **Congressional action required.**

Low Interest Emergency Loans – Provides low interest financing to farmers and ranchers who suffer losses due to damaging weather and who operate in a county declared a disaster area by the Secretary of Agriculture (USDA). Eligibility limited to those producers who are unable to obtain commercial credit through normal sources. Program is automatically made available upon the Secretary declaring a county a disaster area. Requests for disaster declaration should be submitted by county government through the Governor's Office of Emergency Services.

California Business, Transportation and Housing Program

Small Disaster Assistance Loan Guarantee Program – This program helps agriculture-related enterprises and other small businesses obtain financing needed to recover from losses caused by natural disasters in areas declared to be in a State of Emergency by the Governor. Interest rates are from Prime to Prime plus three percent (3%) depending on

the amount of the loan guaranteed. Eighty to ninety-five percent of the loan is guaranteed up to \$500,000. Uses include physical damage and economic costs related to the disaster.

California Mobile Assistance Centers – One stop centers that provide job and unemployment assistance, support with food programs, healthcare information, cooling center location information and other essential services.

Employment Development Department

- Job Services
- Unemployment Services
- Coordination with Job Center building owners, security and traffic control
- Coordination with community-based organization
- Disaster Programs

Department of Food and Agriculture

- Agriculture and Outreach information
- Outreach to affected growers
- State and County Fairgrounds, warming and cooling centers

Department of Social Services

- Food Stamp Program
- Food Bank Information
- Cal/Worker Assistance

Department of Health Services

- Medi-Cal Workers Eligibility Applications and Emergency Needs
- Women/Infants/Children (WIC) Referral Services
- Locations of Primary Care and Family Health Clinics

Department of Community Services and Development

- Coordination with Local Community Action agencies
- Food, blankets and travel vouchers
- Information about shelter locations

Business, Transportation and Housing

- Small Business Disaster Assistance Loan Guarantee Program

Department of Education

- Programs for Migrant Worker Child Care

Governor's Office of Emergency Services

- Coordinating the state response to the extreme hot weather.

Appendix A: Alerting and Warning

California, in some years, experiences extreme heat conditions that cause extensive crop damage and result in the shut down of related processing plants, trucking companies that transport agricultural resources, and affect other related services. This type of business shutdown results in high unemployment, and the ramifications are significant. For resource information relating to extreme heat conditions the following National Weather Service data is being included below.

NOAA/National Weather Service (NWS) Information

NOAA/National Weather Service issues extreme heat products using the outlook/watch/warning concept. **Outlooks**, also known as special weather statements, may be issued several days in advance of an event to provide an alert that some sort of damaging extreme heat situation is possible. **Watches**, usually issued 12-48 hours in advance of a potential heat event, indicate that the situation is likely to occur but details may be uncertain about timing, extent, and severity. **Warnings** indicate a high degree of confidence that the event will occur as described and they usually are issued within 24 hours of the event. **Advisories** can be thought of as being low-level warnings: they imply the same degree of certainty but indicate that the impacts are expected to be less serious. **Warnings** may be issued even if neither an **outlook** nor **watch** was issued in advance. Similarly, **outlooks** and **watches** may have been issued but conditions then change enough that a **warning** is not needed.

The National Weather Service (NWS) will initiate its Heat Index Program Alert procedures when the high is expected to exceed 105° - 110° (depending on local climate) for at least two consecutive days.

The alert procedures include:

- Adding heat index (HI) values in zone and city forecasts;
- Issuing Special Weather Statements and/or Public Information Statements presenting a detailed discussion of (1) the extent of the hazard including HI values, (2) who is most at risk, (3) safety rules for reducing the risk;
- Assisting state and local health officials in preparing Heat Emergency Messages in severe heat waves (meteorological information from Special Weather Statements will be included as well as more detailed medical information, advice, and names and telephone numbers of health officials); and,
- Release of all the above information to the media and over the National Oceanic and Atmospheric Administration's (NOAA) own Weather Radio.

The California State Warning Center is currently used as a “pass through” for information received **on a daily basis** by the National Weather Service. NWS Heat Emergency Information received by the CSWS is then:

- Forwarded to the Operational Areas via the California Law Enforcement Telecommunications System (CLETS), and
- Forwarded to third party distribution systems, the media and subscribing Emergency Managers through the Emergency Digital Information Service (EDIS).

Items which meet thresholds of immediate action are also verbally transmitted to Operational Areas, OES Duty Officers and other state duty officers. Such items are run away trains, flash flood warnings, tornado warnings and tsunamis.

Appendix B: Heat Index Readings & Associated Health Risks

The heat index (see charts 1 and 2) is how hot the heat- humidity combination makes it feel. As relative humidity increases, the air seems warmer than it actually is because the body is less able to cool itself via evaporation of perspiration. As the heat index rises, so do health risks.

- When the heat index is 90°F, heat exhaustion is possible with prolonged exposure and/or physical activity.
- When it is 90°-105°F, it is probable with the possibility of sunstroke, heat cramps or heat exhaustion with prolonged exposure and/or physical activity.
- When it is 105°-129°F, sunstroke, heat cramps or heat exhaustion is likely, and heatstroke is possible with prolonged exposure and/or physical activity.
- When it is 130°F and higher, heatstroke and sunstroke are extremely likely with continue exposure. Physical activity and prolonged exposure to the heat increase the risks.

Charts #1 and #2 show the Heat Index, as a function of heat and relative humidity, relates to health risks:

Chart #1

<i>The Heat Index</i>													
Air Temp (° F)	Relative Humidity												
	40	45	50	55	60	65	70	75	80	85	90	95	100
110 °	136	143	152										
105°	123	129	135	141	148								
100°	111	115	119	124	129	135	141	147					
95°	101	104	107	110	114	117	122	126	131	136	141		
90°	92	94	96	98	100	103	106	109	112	115	119	127	132
85°	84	85	86	88	89	91	93	95	97	99	102	104	107
80°	80	80	81	81	82	82	83	84	84	85	86	86	87
<i>Exposure to full sunshine can increase Heat Index values by up to 15° F.</i>													

Chart #2

Heat Index	Category	Possible heat disorders for people in high risk groups
130°F or higher	Extreme Danger	Heatstroke risk extremely high with continued exposure.
105° - 129°F	Danger	Sunstroke, Heat Cramps and Heat Exhaustion likely, Heatstroke possible with prolonged exposure and/or physical activity.
90° - 105°F	Extreme Caution	Sunstroke, Heat Cramps and Heat Exhaustion possible with prolonged exposure and/or physical activity.
80° - 90 °F	Caution	Fatigue possible with prolonged exposure and/or physical activity.

Appendix C: Health Information and Vulnerable Populations

Heat Exhaustion occurs when the body is dehydrated resulting in an imbalance of electrolytes.

- Symptoms -- headache, nausea, dizziness, cool and clammy skin, pale face, cramps, weakness, profuse perspiration
- First Aid -- move to a cooler spot, drink water with a small amount of salt added (one teaspoon per quart)
- Without Intervention -- it can lead to collapse and heatstroke.

Heatstroke occurs when perspiration cannot occur and the body overheats.

- Symptoms -- headache, nausea, face flushed, hot and dry skin, no perspiration, body temperature over 101°F, chills, rapid pulse
- First Aid -- cool person immediately, move to shade or indoors, wrap in a cool, wet sheet, get medical assistance
- Without Intervention -- it can lead to confusion, coma, and **death**.

Vulnerable Populations

Situational and physical characteristics help to identify vulnerable populations that may not comfortably or safely access and use disaster resources. Specifically, when discussing heat related emergency preparedness, the following groups could be considered vulnerable or at greater risk in a heat emergency:

- Homeless
- Infants and small children under age five
- Women who are pregnant
- Elderly people (age 65 and older)
- Persons who have obesity
- Persons who are bedridden
- Persons with mentally illness/disabilities
- Persons with cognitive disorders
- Persons with medical conditions (e.g., heart disease, diabetes, high blood pressure, insulin)
- Persons requiring life-saving medications (e.g., for high blood pressure, depression, insomnia)
- Persons who utilize medical equipment (e.g., ventilators, oxygen, G-tubes)
- Individuals with drug or alcohol addictions
- Persons who use mobility devices (e.g., wheelchairs, walkers, canes)
- Persons who are non-ambulatory
- Those with sensory impairments (blind/visually impaired or deaf/hard of hearing)
- Persons who are under extreme working conditions
- Persons who are poor
- Persons who are socially isolated
- Persons who do not speak English with minimal access to information.

Appendix D: Animal Vulnerabilities in Excessive Heat Related Weather

Pets:

Dogs and cats are designed to conserve heat and are less efficient at cooling than humans. They are in danger of heat stroke at 110 degrees Fahrenheit. Pets' sweat glands are located on the nose and footpads, which are inadequate for cooling on hot days. Panting and drinking water help cooling, but if the air temperature is overheated, brain and organ damage can occur in 15 minutes. Risk factors to heat stress include body size, age (young and old), breed (short nosed breeds, such as bulldogs), obesity, and existing metabolic, cardiovascular or respiratory disease.

Facts:

Car with window rolled down slightly + windows collecting light, trapping heat inside = pressure cooker effect:

Outside air = 85 degrees Fahrenheit

- After 10 minutes: inside car = 102 degrees Fahrenheit
- After 30 minutes: inside car = 120 degrees Fahrenheit

Outside air = 72 degrees Fahrenheit + humidity

- After 30 minutes: inside car = 104 degrees Fahrenheit
- After 60 minutes: inside car = 112 degrees Fahrenheit

Prevention:

- Never leave pets in a car on warm days
- Call animal control or police immediately if an animal is in distress in a car
- Be alert for any sign of heat stress: heavy panting, glazed eyes, a rapid pulse, unsteadiness, a staggering gait, vomiting, deep red or purple tongue
- Never leave pets tied up without shade, air circulation, and fresh water
- Offer a cool place to rest when temperatures are uncomfortable
- If you are going to take advantage of a local Cooling Center and feel the need to bring your pet, always call ahead to find out if they are able accept pets and what preparations are necessary (i.e., leash for dog, cage for cats, etc.)

Treatment:

- Overheated pets must be cooled immediately
- Move pet to shade
- Apply cool water all over body
- Apply ice packs to neck and chest area
- Allow licking ice and small amount of water (large amount will cause vomiting)
- Take to veterinarian immediately for evaluation

Livestock and Poultry:

Producers should assure that all livestock and poultry are provided adequate and accessible drinking water, shade, and fans and water-cooling, where feasible.

Many producers have back-up generators for their facilities, which should be inspected to ensure operational condition in the event of rolling or rotating blackouts or power failures. Emergency power should also be available for fans and well pumps. Misters, soakers and fans should be checked to ensure they are operational. Shade structures (especially shade cloths) should be in good repair.

During a heat wave emergency, dairy producers have used a variety of temporary cow-cooling methods. Fire hoses can be hooked up to water trucks and used to soak the cattle. Strings of cows can be cooled in sprinkler pens, if they are not in constant use for milking. Temporary soaking lines can be devised using

flexible landscaping PVC hose and high volume emitters positioned over the cattle. Industrial fans have been rented to augment these water cooling methods. Temporary shade structures have been erected. In general, working cattle should be avoided except in the early morning.

If producers are experiencing difficulties or delays in having dead animals picked up by rendering companies, they should immediately contact their Ag Commissioner, their local office of emergency services or office of environmental health and make them aware of the situation. Local officials are in a position to assist with alternate methods of disposal, including evaluating the need for a declaration of a local emergency.

Appendix E: The Electrical Grid and CAISO

Electric power capability and transmission grid is impacted by the increased loads resulting from heat events. The California Independent System Operator (CAISO) is tasked with managing about 80 percent of the California electrical grid that supplies most of California, except in areas serviced by municipal utilities.

Alerts

CAISO employs a series of Alerts based on electrical power demand and supply/reserve forecasts. The alerts are:

- Stage 1 - When the reserve margin falls below 7%
 - Stage 2 - When the reserve margin falls below 5%
 - Stage 3 - When the reserve margin falls below 1.5%
- **Rotating blackouts will occur when Stage 3 is reached.**

Electric Power Load Shedding

When the power system is under extreme stress due to heavy demand and/or failure of critical components, it is sometime necessary to intentionally interrupt the service to selected customers to prevent the entire system from collapsing. In such cases, customer service (or load) is cut, sometimes with little or no warning. One form of load shedding called a "rotating blackout" involves cutting service to selected customers for a predetermined period (usually not more than one and a half hours). As power is restored to one block of customers, power to another block of customers is interrupted to reduce the overall load on the system.

Exemptions from rotating outages in communities served by utilities regulated by the CPUC.

Mandated under California Public Utilities Commission (CPUC) Decision 02-04-060, 4/25/02, essential facilities who volunteer to use their facilities as a public "cooling station" are exempt from rotating power outages. This regulation only applies to communities that are serviced by utilities regulated by the CPUC such as Southern California Edison, Pacific Gas and Electric Company and San Diego Gas and Electric.

"Cooling Centers" are not covered by this rule and are not exempt from rotating power outages. There are no commonly defined criteria for cooling centers.

Notifications

Utilities generally rely on media releases to inform the public of electric power disruptions. Ongoing emergency coordination between city and county emergency managers and utility providers could enhance advance notification of electric disruptions and restoration coordination.

Appendix F: Heat Planning Resources

Transportation

The need to move people in a heat event will most likely center on moving vulnerable populations to/from cooling centers and/or medical facilities. Transporting under these circumstances can be very complex. Complications can be caused by a variety of factors including: locating people that need to be transported, the medical condition of the individual, vehicle accessibility, pet and service animal issues, forced transport and liability issues.

County and local government may have variety of resources within their jurisdiction to use in the movement of people during a heat event. Transportation service systems specifically for people with disabilities and seniors **need to** be integrated into all evacuation and Cooling Center (sheltering) plans. Agreements should be developed between local governments and transportation providers, including crossing jurisdictions for mutual aid assistance, in advance of an event. Disability and senior transportation service providers should become routine partners in emergency planning. Agreements should be made with providers in advance of an event when possible. Resources for accessible transportation that may be available in an area, may include:

- ADA mandated Paratransit Systems/accessible transportation providers
- Dial a Ride
- Non-profits (i.e. United Cerebral Palsy)
- Area Agencies on Aging
- Regional Centers
- Taxi systems
- Non-emergency vans, medical vans
- School district transportation systems
- Adult Day Health Care (ADHC)
- Airport shuttle buses
- Airport car rental shuttle buses
- Senior centers
- Health care centers

Transportation providers linked via interagency agreements or other contractual arrangements with social service agencies could provide a valuable resource in time of emergencies and facilitate cost reimbursement for local agencies if a state and/or federal emergency is declared. These activities should be undertaken prior to any emergency in the preparedness phase of emergency management and included as a vital component in emergency plans and procedures.

Disaster Disability Services

Integrating disability and senior services into heat planning efforts, especially at a local level, will improve heat related services to vulnerable populations. In fact, it is essential that disability and senior service providers are partners in all disaster planning efforts. The following organizations provide services that may be useful for vulnerable populations during any emergency:

- County In Home Supportive Services (IHSS)
- IHSS Public Authority
- Paratransit
- Dial a Ride
- Deaf/Hearing Impaired Organizations
- Blind/Sight Impaired Organizations
- Independent Living Centers
- Regional Centers
- Area Agencies on Aging
- Adult Protective Services

- Meals-on-wheels
- Faith-based organizations
- Postal service
- Electric companies/other utility companies
- Animal control
- Community Action Agencies
- Rotary Club
- Lions/Service Organizations
- Masons
- Nursing Homes
- Community colleges and Universities with Disability Services programs
- Homeless Shelters
- Food Kitchens
- Veterans of Foreign Wars
- Health Education Training Centers
- Private providers of services to people with disabilities

Registries

Local jurisdictions are encouraged to leverage existing disability and senior service systems as opposed to creating new registries. Information can be gleaned from a variety of sources, including the service providers noted above, to provide the comprehensive information necessary to inform emergency planning.

The use of voluntary registries has been a topic of discussion with state and local emergency planners and within the disability community. Some jurisdictions have developed pilot registries and the majority of people with disabilities and seniors chose not participate. The issue carries with it implications that any jurisdiction considering the use of a registry should consider. Specifically, the implementation of a registry may be perceived to carry with it the promise or guarantee by local government that the registrants will be provided with evacuation services. Jurisdictions should carefully consider the implications of such imputed promises. In addition, there may be a tendency by a jurisdiction to view those on the registry as the only ones who need assistance or to focus on the registrants first rather than looking at the population more broadly. Additionally, there are Health Insurance Portability and Accountability Act (HIPAA) considerations that must be factored into the development and deployment of registries, concerns related to maintenance of information on the registry (location information and medical information) and potential legal liabilities.

Other Considerations

Communication: Consideration should be given due to the fact that the people who need evacuation the most may not be able to communicate that need to first responders. They also may not be aware of cooling centers and other services that may be available.

Forced Entry: Consideration should be given to the issue of forced entry in the event that a person could be incapacitated and not able or willing to allow entry for social workers or first responders. However, Fourth Amendment restrictions on entering private residences without sufficient cause should be recognized. Appropriate guidance on this issue should be received from local law enforcement and integrated into planning efforts.

Liability: Due to the fact that private providers may be used/needed to transport people to/from cooling centers and other facilities during a heat event, the issue of liability for these providers should be researched by the government agency coordinating the transportation and addressed in memoranda of understanding.

Appendix G: State Dissemination of Public Information

Regardless of the method used, increased readiness efforts must begin when high temperatures are forecast rather than when they arrive. Preparedness at the state level will be a statewide effort coordinated by OES to include media spots, meetings, fairs that include circulation of pre-event preparedness materials to facilities and groups who have close contact with vulnerable populations. These events, meetings, fairs and conferences will include state, local, private, non-governmental organizations to include community and faith-based as well as volunteer and service organizations. Discussion groups at these events will assist in fine-tuning and targeting materials. It will also assist in developing community-based partnerships to assist in the active phases during heat events. This also provides an opportunity to develop additional materials focused on the target audience and identify additional delivery methods, review and update plans and procedures. As the heat increases, keep in mind the following assumptions:

Assumptions

- Different climates exist among the various areas in the state and persons are acclimated best to the climate in which they live.
- Local governments are the first responders in emergencies and request aid through a hierarchical mutual aid process under SEMS when necessary.
- OES will rely on the Operational Areas (OAs) through their county health departments to determine the activation levels at which specific activities will be undertaken.

Seasonal Approach

Public Information functions will address this potential event in a similar manner as it addresses floods, earthquakes and winter storms, in other words, a seasonal approach. The process will involve a "heat awareness campaign" initiated with media support during the month of May, or earlier in the event of forecasted heat events. Public information should correspond to and be a component of each phase and each warning level issued.

Public information messages will consistently reinforce what State and local partners and first-responders receive in communications from key State agencies. Messages will also ensure that the people with visual and hearing impairments receive disability and culturally appropriate materials:

- heat safety awareness (for all populations, including workers)
- heat safety health tips
- when to use 911 and hospital emergency departments
- advocacy of checking on family, friends, neighbors
- availability of resources nearby for assistance and respite

Outreach by state and local agencies

Public information should include the use of mass media as well as community education strategies such as:

- Sending notification and prevention tips through schools, businesses and associations.
- Posting public information tips at hospitals, medical offices, grocery stores, community centers.
- Additional outreach to parks and recreation, coaches and outdoor activity venues, senior and day car centers and organizations serving non-English speakers.

All collateral materials and messages would be coordinated with collaborating California State Agencies that have roles and responsibilities in the protection of public health and safety.

Free Media

Public Service Announcements (PSAs)

Media Advisories

Press Releases

Opinion Page Editorials and Guest Columns

Guest spots on news programs, public affairs shows, talk shows, etc.

Events for the Administration and community events/expos as feasible

Web sites with resources (OES/other state agencies; updated as needed / Heat wave Portal-OES website)

Press conferences and news briefings

Partnerships

Partner with private sector businesses on promotional campaigns

Partner with disability and senior service organizations on heat safety awareness outreach materials

Partner with utility companies on heat safety awareness outreach materials

Partner with local governments on regional promotions

Speakers Bureau

Establish a multi-agency speaker's bureau with subject matter experts including the areas of vulnerable populations.

Joint Information Center (JIC) Activation

As a heat emergency unfolds, determine when to activate a JIC and bring together representatives from all responsible agencies to coordinate public information (OES, Dept. of Health Services, Dept. of Social Services, Food and Ag, and other key state and local agencies) as needed. Previously developed heat emergency pre-scripted materials can be distributed to local agencies prior to any excessive heat event.

Appendix H Helpful References – Information Sources

INFORMATION SOURCES AT EACH SEMS LEVEL

Jurisdiction Level	Emergency Management	Social Services / Developmental Services	Health Services As of 7/1/07: Public Health and Health Care Services	EMSA	Food and Agriculture	Volunteer/ NGO
State	OES	CDSS, DDS	CDHS – CDPH / DHCS	EMSA	CDFA	CalVolunteers
Region	OES Regions	District Licensing Regional Centers on developmental disabilities	RDMHS/C* CDPH' Cert. & Licensing District Offices	RDMHS/C*		
County	Operational Area	County Welfare Dept. and Office on Aging	Public Health Officers MHOAC* County OES County DHS	Local EMS Agencies MHOAC*	County Agricultural Commissioners	
Local Jurisdiction	City	Group Homes Day programs and services	City EOC			
Field	Fire, Law	In-home supportive service workers Independent and supported living providers	Hospitals Skilled Nursing Facilities (SNFs)	Ambulance Companies Hospitals SNFs*		Volunteer Organizations Red Cross Salvation Army

- * Regional Disaster Medical Health Specialist (RDMHS)
- * Regional Disaster Medical Health Coordinator (RDMHC)
- * Medical Health Operational Area Coordinator (MHOAC)
- * Skilled Nursing Facilities (SNF)

Appendix I Cooling Center Checklist

The following is a list of important criteria for setting up a cooling center. There are ***no established*** criteria for cooling centers. Additionally, ***unless a special exemption has been given by the local Utilities***, facilities used as cooling centers are not exempt from rotating blackouts.

<i>Important Criteria</i>	<i>Suggested Criteria</i>	<i>Completed</i> √
<ul style="list-style-type: none"> • <i>Air conditioning</i> 	<i>24 hour, 7 days a week operation.</i>	
<ul style="list-style-type: none"> • <i>Accessible to people with disabilities.</i> 	<i>Large capacity.</i>	
<ul style="list-style-type: none"> • <i>Ample seating appropriate to the jurisdiction.</i> 	<i>Personnel Assistance Services for people with disabilities.</i>	
<ul style="list-style-type: none"> • <i>Area for pets.</i> 	<i>Available televisions, books, games.</i>	
<ul style="list-style-type: none"> • <i>Publicly advertised.</i> 	<i>Back-up generators.</i>	
<ul style="list-style-type: none"> • <i>Secure, facility has security service.</i> 	<i>Parking</i>	
<ul style="list-style-type: none"> • <i>Communications, phone (including TDD/TTY), internet access, sign-language interpreters.</i> 	<i>Proximity to public transit.</i>	
<ul style="list-style-type: none"> • <i>Child friendly with materials for children to play with while at the cooling center.</i> 	<i>Transportation for those lacking their own, including wheelchair accessible services.</i>	
<ul style="list-style-type: none"> • <i>Public restrooms accessible to people with disabilities and continuously maintained.</i> 	<i>Follow-up procedures for those in need of additional services (health care, social services, etc.)</i>	
<ul style="list-style-type: none"> • <i>Medical Personnel such as nurses and/or aides. Veterinarians for animals.</i> 	<i>Veterinary resources available if needed.</i>	
<ul style="list-style-type: none"> • <i>Back-up generators.</i> 		

Appendix J Information Resources for Preparedness and Response

The following is a partial list of resources that can assist in preparing for and responding to heat emergencies:

- Public Education Pamphlets – preventive measures, symptoms, etc.
- Pre-prepared press releases listing available resources and contact numbers
- State Facilities with Air Conditioned Auditoriums
- State Fair Grounds
- Portable Air Conditioners to supplement swamp coolers at fair grounds
- Portable Air Conditioners to loan to nursing homes and senior housing complexes
- Portable Generators to loan to nursing homes and senior housing complexes
- Fans – multiples sizes to loan to qualifying organizations/businesses, etc.
- Bottled Water
- Identify sources for obtaining ice to distribute at cooling centers
- Obtain dry ice to assist citizens with electric outages
- Develop statewide list of companies that will donate goods during a heat emergency
- Prepare coupons that can be used at pre-identified stores to obtain ice, water etc.
- Bottled/boxed fruit juices
- Meals Ready to Eat or commercial equivalent
- Special dietary products for babies, elderly, and other special needs groups
- Bottled Pedialyte and adult equivalent
- Stockpile Ensure or equivalent to serve special needs population
- Stockpile infant formula and baby food
- List of facilities that can accommodate pets
- Animal cages to house pets
- List of volunteers to staff cooling centers and check on special needs population (where appropriate)
- List of county cooling centers (pre-id county facilities available to act as cooling center)
- List of available vehicles and volunteers/personnel to transport heat-impacted individuals
- Cooling tents for setting up in state/county parks
- Pre-stage portable tables and chairs to accommodate clientele
- Stockpile animal food and water
- Disposable dishes to serve animals
- Portable showers
- Cots
- List of potential air conditioned dormitory rooms available to house special needs population
- Available National Guard resources for housing

Appendix K Definitions

The following terms are presented here with the commonly accepted definitions to avoid confusion and misunderstanding. Some of the terms may have different meanings outside of the scope of this plan.

Contingency plan - Refers to a subset of an existing emergency plan focused on addressing the particulars of a specific emergency scenario (i.e., earthquake, flood, etc.).

Cooling Centers - Facilities that are made available by public, private and volunteer organizations as a heat relief station. There is no agreement that these facilities will be exempt from power outages.

Cooling Stations – Facilities that can be used for heat relief that are exempt from rotating power outages (mandated by CPUC Decision 02-04-060, 4/25/02). Typically facilities such as hospitals, skilled nursing facilities, etc.

Emergency Plans - As defined in Government Code §8560 (a) "Emergency Plans" means those official and approved documents which describe the principles and method to be applied in carrying out emergency operations or rendering mutual aid during emergencies. These plans include such elements as continuity of government, the emergency services of governmental agencies, mobilization of resources, mutual aid, and public information.

Heat Advisory - Issued when conditions of a Heat wave are present.

Heat Disorders - Conditions that result in the body's inability to maintain a normal temperature. The four major heat disorders are:

Heat Cramps - Symptoms, painful spasms usually in leg muscles and possibly the abdomen, heavy sweating.

Heat Exhaustion - Symptoms, heavy sweating, weakness, cold, pale and clammy skin, possible fainting and vomiting. Normal temperature is possible.

Heat Stroke - Symptoms, high body temperature (106° F or higher). Hot, dry skin. Rapid and strong pulse. Possible unconsciousness.

Heat Index (also referred to as the "apparent temperature") - A factor used to determine how hot it feels based on temperature and relative humidity. Heat index values can be up to fifteen degrees higher with exposure to direct sunlight. Heat index values assume calm wind conditions. Hot dry winds can also increase heat index factors.

Heat wave (Extreme Heat) - When temperatures reach 10° or more above the average high temperature for the region, last, or predicted to last, for a prolonged period of time. A Heat wave is often accompanied by high humidity.

Heat-Related Death – Most heat-related deaths are a direct result of heat stroke, which is almost always fatal when not treated. Dr. E. R. Donoghue (of the Chicago 1995 heat wave response) includes these as definitions of heat-related death: a measured body temperature of 105 degrees at the time of death or immediately after; or other substantial circumstantial evidence of heat as a contributor to death (such as a decedent found in a room without air conditioning, all windows closed, and excessive ambient heat at time of discovery). Heat stroke is more likely to lead to death despite treatment if the decedent's condition was aggravated by other medical conditions.

Joint Information Center - A centralized facility for coordinating an organized, integrated, release of critical emergency information, crisis communications and public affairs functions, which is timely, accurate, and consistent.

Local Emergency - As defined in Government Code §8558 (c)"...means the duly proclaimed existence of conditions of disaster or of extreme peril to the safety of persons and property within the territorial limits of a county, city and county, or city, causes by such conditions as air pollution, fire, flood, storm, epidemic, riot, drought, sudden and severe energy shortage, plant or animal infestation or disease, the Governor's warning of an earthquake or volcanic prediction, or an earthquake, complications resulting from the Year 2000 Problem, or other conditions, other than conditions resulting from a labor controversy, which are or are likely to be beyond the control of the services, personnel, equipment, and facilities of that political subdivision and require the combined forces of other political subdivisions to combat, or with respect to regulated energy utilities, a sudden and severe energy shortage requires extraordinary measures beyond the authority vested in the California Public Utilities Commission."

Local Government - As defined in SEMS regulations §2402 (m) "means local agencies as defined in Government Code §8680.2 and special districts defined in California Code of Regulations, Title 19, §2900(y)."

Multi-Agency Heat Emergency Task Force - A working group formed at the direction of the Governor to establish health and safety protocols for public education and outreach efforts, safety checks on vulnerable Californians, evacuations of medical facilities and establishment of cooling centers and information lines during future heat events.

Operational Area - As defined in Government Code §8559 (b) "An 'operational area' is an intermediate level of the state emergency services organization, consisting of a county and all political subdivisions within the county area."

Rotating Blackout - A process of cutting off service to selected customers for a predetermined period (usually not more than two hours) in order to retain the integrity of the power grid.

Standardized Emergency Management System (SEMS) - As defined in California Code of Regulations §2400 as..."based upon the Incident Management System (ICS) adapted from the system originally developed by Firefighting Resources of California Organized for Potential Emergencies (FIRESCOPE) program including those currently in use by state agencies, the Multi-Agency Coordination System (MACs) as developed by FIRESCOPE program, the operational area concept, and the Master Mutual Aid Agreement and related mutual aid systems."

State Emergency Plan - As defined in Government Code §8560 (b) "...means the State of California Emergency Plan as approved by the Governor." (Where in effect as defined in Government Code §8568,"...The State Emergency Plan shall be in effect in each political subdivision of the state, and the governing body of each political subdivision shall take such action as may be necessary to carry out the provisions thereof."

State of Emergency - As defined in Government Code §8558 (b)"...means the duly proclaimed existence of conditions of disaster or of extreme peril to the safety of persons and property within the state caused by such conditions as air pollution, fire, flood, storm, epidemic, riot, drought, sudden and severe energy shortage, plant or animal infestation or disease, the Governor's warning of an earthquake or volcanic prediction, or an earthquake, complications resulting from the Year 2000 Problem, or other conditions causing a 'state of war emergency,' which, by reason of their magnitude, are or are likely to be beyond the control of the services, personnel, equipment, and facilities of any single county, city and county, or city and require the combined forces of a mutual aid region or regions to combat, or with respect to regulated energy utilities, a sudden and severe energy shortage requires extraordinary measures beyond the authority vested in the California Public Utilities Commission."

A state of emergency proclamation by the Governor is warranted when:

1. There exists conditions of disaster or of extreme peril to the safety of persons, which, by reason of their magnitude, are or are likely to be beyond the control of the services, personnel, equipment, and facilities of any single county, city and county, or city and require the combined forces of a mutual aid region or regions to combat, or with respect to regulated energy utilities, a sudden and severe energy shortage requires extraordinary measures beyond the authority vested in the California Public Utilities Commission” [Government Code Sections 8558(b)and 8625(a)]; or
2. The Governor is requested to do so by the mayor of a city or the chairman of the county board of supervisors or the county administrative officer [Section 8625(b)]; or
3. The Governor finds that local authority is inadequate to cope with the emergency [Section 8625(C)]; and
4. Local emergency response costs are significant to make these costs eligible for reimbursable under the California Disaster Assistance Act or as a prerequisite for a request for federal disaster assistance for state and local governments.

Synoptic weather observation –A surface weather observation, made at periodic times (usually at 3-hourly and 6-hourly intervals specified by the World Meteorological Organization), of sky cover, state of the sky, cloud height, atmospheric pressure reduced to sea level, temperature, dew point, wind speed and direction, amount of precipitation, hydrometeors and lithometeors, and special phenomena that prevail at the time of the observation or have been observed since the previous specified observation.

Synoptic model - Any model specifying a space distribution of some meteorological elements. The distribution of clouds, precipitation, wind, temperature, and pressure in the vicinity of a front is an example of a synoptic model.

Appendix L Acronyms

Acronyms used throughout this plan and their full names are listed below as they appear in the document:

AA/CA	After Action (report)/ Corrective Action (plan)
ADA	American Disabilities Act
ADHC	Adult Day Health Care
APS	Adult Protective Services
CAHAN	California Health Alert Network
CAISO	California Independent System Operator
Cal Trans	California Department of Transportation
CCLHO	California Conference of Local Health Officers
CDA	California Department of Consumer Affairs
CDFA	California Department of Food & Agriculture
CDHS	California Department of Health Services
CDPH	California Department of Public Health
CDSS	California Department of Social Services
CERT	Community Emergency Response Team
CHEAC	County Health Executives Association of California
CLETS	California Law Enforcement Telecommunications System
CPUC	California Public Utility Commission
CRC	Regional Council of Rural Counties
CSAC	California State Associations of Counties
CSWC	California State Warning Center
CUEA	California Utilities Emergency Association
CV	California Volunteers
DDS	Department of Developmental Services
DGS	Department of General Services
DHCS	Department of Health Care Services
DMH	Department of Mental Health
DO	Duty Officer
DOR	California Department of Rehabilitation
EDIS	Emergency Digital Information System
EDO	Executive Duty Officer
EMPG	Emergency Management Program Grant
EMSA	California Emergency Medical Services Agency
EOCs	Emergency Operations Centers
EPO	Emergency Preparedness Office (part of CDPH, to be divided as of 7/1/07 to CDPH)
FEMA	Federal Emergency Management Agency
FIRESCOPE	Firefighting Resources of Southern California Organized for Potential Emergencies
FTB	Franchise Tax Board
GEOEC	Governor's Emergency Operations Executive Council

HHS	Health and Human Services Agency
HI	Heat Index
HIPAA	Health Insurance Portability and Accountability Act
ICF	Intermediate Care Facilities
ICS	Incident Command System
IHSS	In-Home Support Services
JEOC	Joint Emergency Operations Center (State level CDPH/EMSA)
JIC	Joint Information Center
JPA	Joint Powers Authority
LEAGUE	League of Cities
LEMSA	Local Emergency Medical Services Agency
MACs	Multi-Agency Coordination System
MHOAC	Medical Health Operational Area Coordinator
MHRC	Mental Health Regional Coordinator
MOT	Maritime Tropical Oppressive Air Mass
NGOs	Non-Governmental Organizations
NOAA	National Oceanic and Atmospheric Administration
NWS	National Weather Service
OA	Operational Area
OES	California Governor's Office of Emergency Services
PD	Police Department
PHF	Psychiatric Health Facilities
PHO	Public Health Officer
PIO	Public Information Office (Officer)
PSAs	Public Service Announcements
PVC	Polyvinyl Chloride
RA	Regional Administrator (OES)
REOC	OES Regional Emergency Operations Center (Coastal, Inland, Southern)
RDMHC	Regional Disaster Medical Health Coordinator
RDMHS	Regional Disaster Medical Health Specialist
RIMS	Response Information Management System
SEMS	Standardized Emergency Management System
SIRL	State Information and Referral Line
SMUD	Sacramento Municipal Utilities District
SNFs	Skilled Nursing Facilities
SOC	State Operations Center
SRO	Single Room Occupancy
TTY	Teletype
TDD	Telecommunications Device for the Deaf

Appendix M Helpful Web Site References

- CalOSHA Heat illness prevention regulations and related information at <http://www.dir.ca.gov>
- *Electric Power Disruption, Toolkit for Local Government*, Office of Emergency Services, June, 2001
- *City of New York Heat Emergency Operations Guide*, New York City Office of Emergency Management, May 30, 20-05
- *Excessive Heat Events Guidebook*, EPA 430-B-06-005, June 2006
- *Heat wave: A Major Summer Killer*, NWS Publication, http://www.nws.noaa.gov/om/brochures/heat_wave.shtml
- *Heat Waves*, Pennsylvania Emergency Management Agency
- City of Los Angeles' *Emergency Operations Master Plan and Procedures, Heat Emergency Response Plan Annex*, April 2001 Revised.

Appendix N Key Agencies Involved in the Contingency Plan for Excessive Heat Emergencies

American Red Cross (ARC)
California Association of Public Authorities
California Conference of Local Health Officers (CCLHO)
California Department of Aging (CDA)
California Department of Food and Agriculture (CDFA)
California Department of General Services (DGS)
California Department of Health Services (CDHS)
California Department of Social Services (CDSS)
California Fire Chiefs Association
California Governor's Office of Emergency Services (OES)
California Health Executives Association of California
California Independent Service Operator (CAISO)
California National Guard (CNG)
California Police Chiefs Association
California State Association of Counties (CSAC)
California State Sheriffs Association
California Utilities Emergency Association (CUEA)
California Volunteers (CV)
California Welfare Director Association of California
Department of Consumer Affairs (DCA)
Department Developmental Services (DDS)
Department of Rehabilitation (DOR)
Emergency Medical Services Administrators Association of California
Emergency Medical Services Authority (EMSA)
Franchise Tax Board (FTB)
League of California Cities
Regional Council of Rural Counties
Urban Counties Caucus

