

2010



CALIFORNIA DROUGHT CONTINGENCY PLAN

Public Workshop
Public Review Draft
August 10, 2010



Acknowledgments

**Prepared by Department of Water Resources
in coordination with Cal EMA**

**Reviewed by Steering Committee of CA
Water Plan**

Drafting Team:

- **CWP staff: Kamyar Guivetchi, Lewis Moeller, Megan Fidell, Tom Filler**
- **Drought staff: Wendy Martin, Doug Osugi, Thang (Vic) Nguyen**

Overview

- **Purpose**
- **Communication and Coordination structure (Figure 1)**
- **Agency roles and responsibilities (Attachment 1)**
- **Drought management strategies**
- **Action plans (Before, During, & After)—
Tables 1 through 3**
- **Next steps**
- **Discussion**

Drought Contingency Plan Purpose

To minimize drought impacts by

- **improving agency coordination;**
- **enhancing monitoring and early warning capabilities;**
- **water shortage impact assessments; and**
- **preparedness, response and recovery programs**

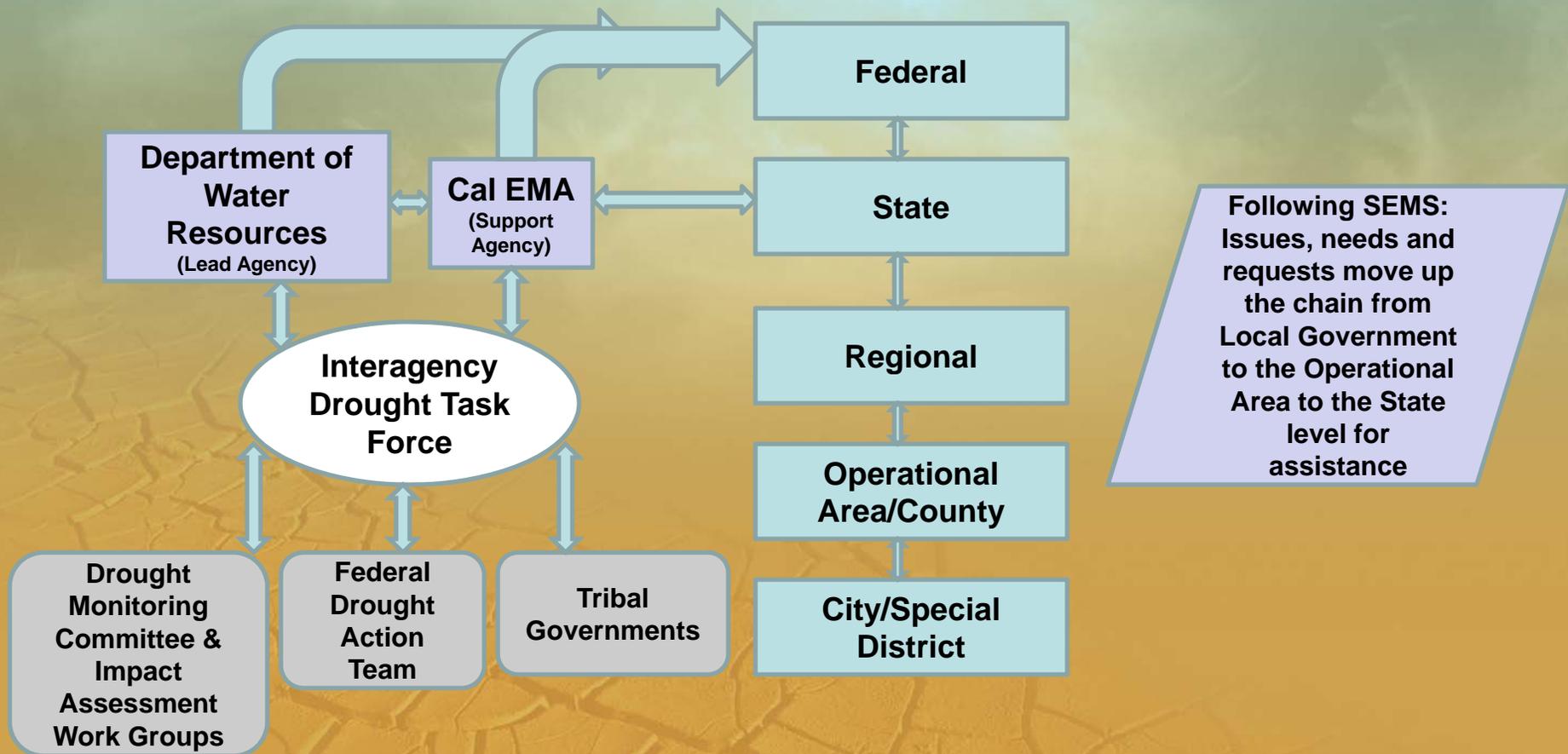
Drought Contingency Plan

- **Recommends framework for agency planning and coordination**
- **Identifies activities to minimize drought impacts**
- **Identifies agencies and their roles**
- **Promotes effective use of resources**

Drought Contingency Plan

- **Part of the CWP process**
- **Updated every 5 years or as needed**
- **Will include updated information, technology, and strategies**
- **Flexible and adaptable**

Communication & Coordination Structure (Figure 1, following SEMS)



DWR and Cal EMA Drought Response

- **Standardized Emergency Management System (SEMS) - Local, Regional, State, then Federal response**
- **DWR chairs Interagency Drought Task Force with support from Cal EMA**
 - **DWR - overall drought coordination**
 - **Cal EMA - emergency response and recovery**
- **Coordination through DWR and Cal EMA Regional Offices**

Interagency Drought Task Force

- **Convened by DWR and Cal EMA in coordination with Governor's Office**
- **Comprised of executive and policy-level managers**
- **Provides policy direction to Work Groups & Committees**
- **Functions within existing agency authorities, responsibilities, and funding**
- **Coordinates with federal, local, and tribal agencies, and stakeholders**

DWR Drought Coordinator

- **Prepare for, plan and coordinate drought response**
- **Implement drought programs and policies**
- **Advise on water issues and concerns**
- **Increase public awareness of drought & conservation**
- **International outreach (Australia, etc.)**

Cal EMA Drought Coordinator

- **Assist DWR in coordinating activities**
- **Coordinate emergency management needs**
- **Focus on response and recovery**
- **Collaborate with agencies on providing drought preparedness workshops**

Drought Monitoring Committee/ Impact Assessment Work Groups

- **Members from agencies responsible for monitoring weather, water supply or impacts**
- **Monitor water supply and drought conditions—objective is to develop “early warning”**
- **Assess impacts on sectors and regions**
- **Provide on-going information and web-based reports**

Preparing for a Drought

- **18 Resource management strategies from CWP (ex, surface storage, desalinization, recycled water, urban & agricultural water use efficiency, etc.)**
- **Highlighted strategies and activities:**
 - **Drought monitoring and forecasting**
 - **Public education and outreach (statewide “Save our Water” campaign, 20% by 2020)**
 - **Mobile desalinization**

Responding to a Drought

- **Local agency**
 - **Local emergency proclamation to use funds and resources**
 - **Local ordinances**
- **Water agency**
 - **Voluntary or mandatory conservation**
 - **Rate increase, restrictions, other measures**
- **State agency**
 - **Governor's emergency proclamation**
 - **Agency actions directed by Executive Orders**
 - **Request federal assistance**

Recovering from a Drought

- **Post-drought evaluation**
- **Assist with relief programs**
- **Restore operations**
- **Final meeting of Task Force**
- **Final Drought report**

Agency Roles and Responsibilities (Attachment 1)

- **Identifies federal, State, local agencies and other organizations**
- **Lists potential roles and responsibilities in drought management**

Table 1- Potential Actions by Agencies in Preparing for a Drought

Monitoring

- Develop local indicators for early detection

Communication/Coordination and Planning

- “California Drought Status” public information strategy

Local Assistance

- Interconnections between water systems, pre-work on transfers.

Conservation

- Leak detection, recycled water, funding...

Other

- Lessons learned from others, drought resistant crops...

Table 2- Potential Actions by Agencies in Responding to a Drought

Level 1- Abnormally Dry

- Activate Drought Operations Center & Drought Monitoring Committee, increase communications, Issue drought advisory

Level 2 – First Stage Drought

- Expedite water transfers, increase water savings and conservation, enhanced public outreach.

Level 3 – Severe Drought

- Convene Interagency Task Force following Emergency Drought Proclamation
- Deploy local water supply augmentation
- Coordinate mutual aid assistance

Table 2- Potential Actions by Agencies in Responding to a Drought.....

Level 4 – Extreme Drought

- Impose restrictions as needed for affected areas under Governors emergency powers
- Highest levels of conservation enforced
- Focus of transfers for potable water use.

Level 5 – Exceptional Drought

- Water cutbacks to health and safety needs only.
- Facilitate Mutual Aid requests for assistance to provide increased security due to severe water cutbacks.
- Activate National Guard
- Staff State Emergency Operations center.

Table 3- Potential Actions by Agencies in Recovery from a Drought

Communication/Coordination and Planning

- Identify & communicate when drought restrictions should end.

Monitoring

- Ongoing monitoring of recovery, assure replenishment, monitor salt water intrusion.

Facilitation of watershed and local planning for drought

- Manage pasture, rangelands, and forest recovery.

Local Assistance

- Return water supply augmentation measures to stockpile, assistance in pasture rehabilitation and rate restructuring.

Conservation

- Maintain drought conservation measures

Discussion

- 1. What should local agencies do to support implementation of this Drought Contingency Plan?**
- 2. What are the next steps in improving the Drought Contingency Plan?**

Next Steps

- **Process for submitting written comments**

- 45 day review period, provide comments by September 20
- Focus review on Action Plans, Roles and responsibilities
- Provide comments to:

cwpcom@water.ca.gov

- **Formation of Drought Monitoring Committee and Impact Assessment Work Groups**