



**Summary of Restricted Maintenance Operations, Alert,  
Warning, Emergency, and Flex Alert Notices Issued from 1998 to Present**

	1998	1999	2000	2001	2002	2003	2004	2005	2006
Restricted Maintenance Operations	8	12	77	168	18	10	16	13	16
Transmission Emergency	N/A	N/A	N/A	N/A	N/A	N/A	6	5	0
Alert	7	2	34	180	3	0	1	0	1
Warning	8	6	85	181	4	0	2	2	5
Flex Alert*	N/A	N/A	20	26	1	0	6	7	18
Stage 1 Emergency	7	4	55	70	2	1	1	1	3
Stage 2 Emergency	5	1	36	65	1	0	0	2	1
Stage 3 Emergency	0	0	1	38	0	0	0	0	0
Voluntary Load Reduction Program	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3

	2007	2008	2009	2010	2011	2012	2013	2014	2015
Restricted Maintenance Operations	18	10	6	7	15	23	9	8	10
Transmission Emergency	4	0	6	2	2	0	0	1	0
Alert	1	0	0	0	0	0	0	0	1
Warning	3	1	2	1	1	0	0	1	2
Flex Alert*	6	3	0	0	2	2	3	1	2
Stage 1 Emergency	1	0	0	0	0	0	0	0	0
Stage 2 Emergency	0	0	0	0	0	0	0	0	0
Stage 3 Emergency	0	0	0	0	0	0	0	0	0

	2016	2017	2018	TOTALS
Restricted Maintenance Operations	11	10	0	<b>465</b>
Transmission Emergency	0	1	0	<b>27</b>
Alert	0	0	0	<b>230</b>
Warning	0	0	0	<b>304</b>
Flex Alert*	3	4	0	<b>104</b>
Stage 1 Emergency	0	1	0	<b>146</b>
Stage 2 Emergency	0	0	0	<b>111</b>
Stage 3 Emergency	0	0	0	<b>39</b>

NOTES: "No Touch" (as shown on previous "Detail" sheets) was replaced with "Restricted Maintenance Operations" in 2002

**Reference:**

**Flex Alerts** are part of an educational and alert program that informs consumers about how and when to conserve electricity during heat waves and other challenging grid conditions. For more information visit <http://www.flexalert.org/>

**RMO (Restricted Maintenance Operations)** are declared when routine maintenance on transmission lines or power plants could threaten reliability.

**Alerts** are activated the day before ISO may require extra resources to avoid electrical emergency.

**Warnings** are activated an hour ahead when there may be a shortfall. Conservation requested. Voluntary load reduction programs may be triggered at this point.

**Stage 1 Emergency** is declared by the ISO any time it is clear that an Operating Reserve shortfall (less than WECC required minimum) is unavoidable or, when in real-time operations, the Operating Reserve is forecasted to be less than the minimum after using available resources. Operating Reserves are continuously recalculated and a Stage 1 Emergency notice can be issued on a system-wide or regional basis when Operating Reserves for the area are between 6.0% and 7.0%.

**Stage 2 Emergency** is declared by the ISO any time it is clear that an Operating Reserve shortfall (less than 5.0%) is unavoidable or, when in real-time operations, the Operating Reserve is forecasted to be less than 5.0% after dispatching all available resources. A Stage 2 Emergency notice can be issued on a system-wide or regional basis.

**Stage 3 Emergency** is declared by the ISO any time the Spinning Reserve portion of Operating Reserves depletes or are anticipated to drop below the WECC requirement. Spinning Reserve is continuously recalculated and a Stage 3 Emergency notice can be issued on a system-wide or regional basis when levels are between 1.5% and 3.0%.

**Transmission Emergency** is declared by the ISO for any event that threatens harms or limits capabilities of any element of the transmission grid and threatens grid reliability. A Transmission Emergency notice can be issued on a system-wide or regional basis.

## Alert, Warning, and Emergencies Record For 2017

### AWE Declarations

Date	Day	Region	Time Frame	AWE Event	Reason
1/3/2017	Tuesday	ISO	00:00 - 12:00	RMO	Effective Tuesday, 01/03/17 00:00 - 12:00, the ISO BA is declaring a System wide Restricted Maintenance Operations. This is due to extremely low forecast temperatures throughout the Western United States including the CAISO area. Notice issued at: 12/30/16 14:07, Cancelled at: 1/2/17 at 10:20
5/3/2017	Wednesday	ISO	19:01 - 23:59	Stage 1	<p>Operating Reserves are currently, or forecast to be, less than amounts required by the Western Electricity Coordinating Council. If Operating Reserves deplete further, the ISO will declare a Stage 2 System Emergency and may begin curtailing Interruptible Loads*.</p> <p>* Interruptible Loads are comprised of customers from Southern California Edison, San Diego Gas &amp; Electric and Pacific Gas &amp; Electric who opt for service under "Interruptible Rate Schedules" and "Emergency Curtailment" tariffs authorized by the California Public Utilities Commission that provide for periodic curtailments by the California ISO. The ISO will also curtail loads that elect to participate in California ISO Load Interruption Programs, described in Operating Procedure 4510.</p> <p>Notice issued at: 05/03/17 19:04, Cancelled at: 5/3/17 at 21:00</p>
6/19/2017 - 6/22/2017	Monday - Thursday	ISO	00:01 - 22:00	RMO	<p>The California ISO is declaring CAISO Grid RESTRICTED MAINTENANCE OPERATION for the period from 06/19/2017 00:01 through 06/22/2017 22:00.</p> <p>Reason: The ISO is anticipating high loads and temperatures across the CAISO Grid. Restricted Maintenance Operations, as detailed in ISO Operating Procedure 4420, will be in effect.</p> <p>Notice issued at: 06/18/2017 14:26, Cancelled at: 6/22/2017 22:00</p>

**AWE Grid History Report**

Date	Day	Region	Time Frame	AWE Event	Reason
6/20/2017	Tuesday	ISO	14:00 - 21:00	Flex Alert	<p>The California ISO has issued a Flex Alert for the CAISO Grid effective Tuesday, June 20, 2017. Californians are urged to conserve electricity from June 20 at 2:00 PM to June 20 at 9:00 PM to avoid power disruptions.</p> <p>Notice issued at: 6/20/2017 08:00, Cancelled at: 6/20/2017 21:00</p>
6/21/2017	Wednesday	ISO	14:00 - 21:00	Flex Alert	<p>The California ISO has issued a Flex Alert for the California ISO Grid effective Wednesday, June 21, 2017. Californians are urged to conserve electricity from June 21 at 2:00 PM to June 21 at 9:00 PM to avoid power disruptions.</p> <p>Notice issued at: 6/21/2017 07:38, Cancelled at: 6/21/2017 21:00</p>
7/7/2017	Friday	ISO	07:00 - 22:00	RMO	<p>The California ISO is declaring CAISO Grid RESTRICTED MAINTENANCE OPERATION for the period from 07/07/2017 07:00 through 07/07/2017 22:00.</p> <p>Reason: The ISO is anticipating high loads and temperatures across the CAISO Grid. Restricted Maintenance Operations, as detailed in ISO Operating Procedure 4420, will be in effect. Market Participants are cautioned to avoid actions which may jeopardize generator and/or transmission availability.</p> <p>Notice issued at: 07/06/2017 08:36</p>
8/1/2017	Tuesday	ISO	06:00 - 22:00	RMO	<p>The California ISO is declaring CAISO Grid RESTRICTED MAINTENANCE OPERATION for the period from 08/01/2017 06:00 through 08/01/2017 22:00.</p> <p>Reason: The ISO is anticipating high loads and temperatures across the CAISO Grid. Restricted Maintenance Operations, as detailed in ISO Operating Procedure 4420, will be in effect. Market Participants are cautioned to avoid actions which may jeopardize generator and/or transmission availability.</p> <p>Notice issued at: 07/31/2017 08:33</p>
8/2/2017	Wednesday	ISO	06:00 - 22:00	RMO	<p>The California ISO is declaring CAISO Grid RESTRICTED MAINTENANCE OPERATION for the period from 08/02/2017 06:00 through 08/02/2017 22:00.</p> <p>Reason: The ISO is anticipating high loads and temperatures across the CAISO Grid. Restricted Maintenance Operations, as detailed in ISO Operating Procedure 4420, will be in effect. Market Participants are cautioned to avoid actions which may jeopardize generator and/or transmission availability.</p> <p>Notice issued at: 07/31/2017 08:36</p>

**AWE Grid History Report**

Date	Day	Region	Time Frame	AWE Event	Reason
8/3/2017	Thursday	ISO	06:00 - 22:00	RMO	<p>The California ISO is declaring CAISO Grid RESTRICTED MAINTENANCE OPERATION for the period from 08/03/2017 06:00 through 08/03/2017 22:00.</p> <p>Reason: The ISO is anticipating high loads and temperatures across the CAISO Grid. Restricted Maintenance Operations, as detailed in ISO Operating Procedure 4420, will be in effect. Market Participants are cautioned to avoid actions which may jeopardize generator and/or transmission availability.</p> <p>Notice issued at: 08/01/2017 12:56</p>
8/21/2017	Monday	ISO	06:00 - 20:00	RMO	<p>The California ISO is declaring CAISO Grid RESTRICTED MAINTENANCE OPERATION for the period from 08/21/2017 06:00 through 08/21/2017 20:00.</p> <p>Reason: As a part of the California ISO Operational Readiness plan [for the upcoming solar eclipse, a Restricted Maintenance Operations for Monday August 21, 2017 from 6:00 a.m. to 8:00 p.m. is being issued.</p> <p>Notice issued at: 08/04/2017 15:22</p>
8/28/2017 - 8/31/2017	Monday - Thursday	ISO	06:00 - 22:00	RMO	<p>The California ISO is declaring CAISO Grid RESTRICTED MAINTENANCE OPERATION for the period from 08/28/2017 06:00 through 08/28/2017 22:00.</p> <p>Reason: The ISO is anticipating high loads and temperatures across the CAISO Grid. Restricted Maintenance Operations, as detailed in ISO Operating Procedure 4420, will be in effect. Market Participants are cautioned to avoid actions which may jeopardize generator and/or transmission availability.</p> <p>Notice issued at: 08/25/2017 08:54</p> <p>Notice Update issued at: 08/28/2017 15:17 The California ISO is declaring CAISO Grid RESTRICTED MAINTENANCE OPERATION for the period from 08/29/2017 22:00 through 08/31/2017 22:00. This restricted maintenance is an extension of the active ongoing restricted maintenance that began on 08/28/2017.</p>
8/29/2017	Tuesday	ISO	14:00 - 22:00	Flex Alert	<p>The California ISO has issued a Flex Alert for the California ISO Grid effective Tuesday, August 29, 2017.</p> <p>Californians are urged to conserve electricity from August 29 at 2:00 PM to August 29 at 9:00 PM to avoid power disruptions.</p> <p>A news release has been issued. The ISO media hotline is (888)516-NEWS.</p>

**AWE Grid History Report**

Date	Day	Region	Time Frame	AWE Event	Reason
8/31/2017 - 9/1/2017	Thursday - Friday	ISO	22:00 - 22:00	RMO	The California ISO is declaring CAISO Grid RESTRICTED MAINTENANCE OPERATION for the period from 08/31/2017 22:00 through 09/01/2017 22:00. Reason: The ISO is anticipating high loads and temperatures across the CAISO Grid. This is an extension of the active and ongoing Restricted Maintenance that began on 8/29/2017. Restricted Maintenance Operations, as detailed in ISO Operating Procedure 4420, will be in effect. Market Participants are cautioned to avoid actions which may jeopardize generator and/or transmission availability. Notice issued at: 08/29/2017 15:50
9/1/2017	Friday	ISO	13:00 - 22:00	Flex Alert	The California ISO has issued a Flex Alert for the CAISO Grid effective Friday, September 1, 2017. Californians are urged to conserve electricity from September 1 at 1:00 PM to September 1 at 10:00 PM to avoid power disruptions. A news release is pending / has been issued. The ISO media hotline is (888)516-NEWS.
9/1/2017 - 9/3/2017	Friday - Sunday	ISO	22:00 - 22:00	RMO	The California ISO is declaring CAISO Grid RESTRICTED MAINTENANCE OPERATION for the period from 09/01/2017 22:00 through 09/03/2017 22:00. Reason: The ISO is anticipating high loads and temperatures across the CAISO Grid. Restricted Maintenance Operations, as detailed in ISO Operating Procedure 4420, will be in effect. Market Participants are cautioned to avoid actions which may jeopardize generator and/or transmission availability. Notice issued at: 08/31/2017 09:31
12/4/2017 - 12/12/2017	Monday - Tuesday	Southern CA - Ventura Area	11:00 - 23:59	Transmission Emergency	The California ISO hereby issues a Southern CA Region TRANSMISSION EMERGENCY Notice effective 12/04/2017 22:11 through 12/05/2017 23:59 based on conditions as of 12/04/2017 22:16. Reason: Local transmission emergency due to fires in the Ventura area. Notice issued at: 12/04/2017 22:16 Updated notices sent multiple times to extend Emergency through 12/12 23:59

## Alert, Warning, and Emergencies Record For 2016

### AWE Declarations

Date	Day	Region	Time Frame	AWE Event	Reason
2/6/2016	Saturday	ISO	12:52 - 23:59	RMO	This notice will be in effect for the following counties due to special events across the region: San Mateo, San Francisco, Solano, San Joaquin, Stanislaus, Alameda, Santa Clara, and Contra Costa.
6/20/2016 - 6/21/2016	Monday - Tuesday	ISO	00:00 - 23:59	RMO	The ISO is anticipating high loads and temperatures across the CAISO Grid. Notice issued at: 06/15/2016 16:44
6/20/2016 - 6/21/2016	Monday - Tuesday	ISO	00:00 - 23:59	Generation RMO	The ISO is anticipating high loads and temperatures across the CAISO Grid. Notice issued at: 06/15/2016 16:49
6/20/2016	Monday	Southern CA	10:00 - 21:00	Flex Alert	Southern Californians are urged to conserve electricity from June 20 at 10:00 AM to 9:00 PM to avoid power disruptions. Notice issued at: 06/19/2016 14:00
6/28/2016	Tuesday	ISO	06:00 - 22:00	RMO	The ISO is anticipating high loads and temperatures across the CAISO Grid. Notice issued at: 06/24/2016 09:30
7/27/2016	Wednesday	ISO	06:00 - 22:00	Generation RMO	The ISO anticipates generation resources may be inadequate for the period covered by this notice. Notice issued at: 7/26/2016 18:57
7/27/2016	Wednesday	ISO	14:00 - 21:00	Flex Alert	Californians are urged to conserve electricity from July 27 at 2:00 PM to 9:00 PM to avoid power disruptions. Notice issued at: 7/27/2016 12:03
7/28/2016	Thursday	ISO	06:00 - 22:00	Generation RMO	The ISO anticipates generation resources may be inadequate for the period covered by this notice. Notice issued at: 7/27/2016 14:02
7/28/2016	Thursday	ISO	14:00 - 21:00	Flex Alert	Californians are urged to conserve electricity from July 27 at 2:00 PM to 9:00 PM to avoid power disruptions. Notice issued at: 7/28/2016 9:05
7/29/2016	Friday	ISO	12:00 - 22:00	Generation RMO	The ISO anticipates generation resources may be inadequate for the period covered by this notice. Notice issued at: 7/28/2016 9:50
8/17/2016	Wednesday	Southern CA	06:00 - 22:00	RMO	Due to the loss of transmission in the Southern CA Blue Cut Fire. Notice issued at: 8/16/16 21:07
8/17/2016	Wednesday	Southern CA	06:00 - 22:00	Generation RMO	The ISO anticipates generation resources may be inadequate for the period covered by this notice. Notice issued at: 8/16/16 21:10
8/18/2016	Thursday	Southern CA	06:00 - 22:00	RMO	Due to the loss of transmission in the Southern CA Blue Cut Fire. Notice issued at: 8/17/16 18:50
8/18/2016	Thursday	Southern CA	06:00 - 22:00	Generation RMO	The ISO anticipates generation resources may be inadequate for the period covered by this notice. Notice issued at: 8/17/16 18:52

## Alert, Warning, and Emergencies Record For 2015

### AWE Declarations

Date	Day	Region	Time Frame	AWE Event	Reason
6/30/2015	Tuesday	ISO	0:00-23:59	RMO	The ISO is anticipating high loads and temperatures across the CAISO Grid.
6/30/2015	Tuesday	ISO	07:31-23:59	Warning	High temperatures, high forecast peak load, southern (California gas pipeline capacity concerns in the Los Angeles basin, and much lower than historically available CAISO Balancing Authority Area energy imports.
6/30/2015	Tuesday	ISO	14:00-21:00	Flex Alert	Californians are urged to conserve electricity to avoid power disruptions.
6/30/2015	Tuesday	ISO	0:00-23:59	RMO	The ISO is anticipating high loads and temperatures across the CAISO Grid.
7/1/2015	Wednesday	ISO	0:00-23:59	RMO	The ISO is anticipating high loads and temperatures across the CAISO Grid.
7/1/2015	Wednesday	ISO	14:00-21:00	Flex Alert	Californians are urged to conserve electricity to avoid power disruptions.
7/29/2015	Wednesday	ISO	07:00-22:00	RMO	The ISO is anticipating high loads and temperatures across the CAISO Grid.
7/30/2015	Thursday	ISO	07:00-22:00	RMO	The ISO is anticipating high loads and temperatures across the CAISO Grid.
8/14/2015	Friday	Southern CA	06:00-22:00	RMO	The ISO is anticipating high loads and temperatures across the Southern CA Region.
8/15/2015	Saturday	ISO	06:00-22:00	RMO	The ISO is anticipating high loads and temperatures across the Southern CA Region.
8/16/2015	Sunday	ISO	06:00-22:00	RMO	The ISO is anticipating high loads and temperatures across the Southern CA Region.
8/17/2015	Monday	ISO	06:00-22:00	RMO	The ISO is anticipating high loads and temperatures across the Southern CA Region.
9/8/2015	Tuesday	ISO	07:00-23:59	RMO	The ISO is anticipating high loads and temperatures across the CAISO Grid.
9/8/2015	Tuesday	ISO	12:00-22:00	Alert	Higher than expected loads and loss of resources
9/11/2015	Friday	ISO	00:01-22:00	RMO	The ISO is anticipating high loads and temperatures across the CAISO Grid.
10/13/2015	Tuesday	Southern CA	16:32-22:00	Warning	Loss of resources and load forecast deviation.



## Alert, Warning, and Emergencies Record For 2014

### AWE Declarations

Date	Day	Region	Time Frame	AWE event	Reason
2/6/2014	Thursday	ISO	0656-2359	RMO	The ISO is anticipating gas curtailments in Southern California. Market Participants are cautioned to avoid actions, which may jeopardize generator and/or transmission availability.
2/6/2014	Thursday	ISO	1300-2200	Flex Alert	Californians are urged to conserve electricity to avoid power disruptions.
2/6/2014	Thursday	ISO	1300-2200	Warning	Due to cold weather across the Western United States, Southern California Gas Company issued "Emergency Curtailments" to several generation resources in Southern California. To avoid further generator "Emergency Curtailments", the gas companies have asked the California ISO to reduce gas consumption at the generating stations in the San Diego and Southern California Edison systems. Conservation efforts are encouraged. Energy Market Participants are encouraged to offer additional Supplemental Energy and Ancillary Service bids.
2/7/2014	Friday	Southern CA	0001-2359	RMO	A shortage of natural gas triggered by extreme cold weather in much of the United States and Canada is impacting fuel supplies to Southern CA power plants and reducing electricity generation.
5/14/2014	Wednesday	Southern CA	1219-2359	RMO	The ISO is experiencing high loads and temperatures across the Southern CA Region along with threatening fires to ISO facilities. "Restricted Maintenance Operations is for the San Diego Service area Only".
5/14/2014	Wednesday	Southern CA	1407-2200	Transmission Emergency	Emergency is for San Diego area ONLY due to brush fires threatening the ISO transmission system.
5/15/2014	Thursday	Southern CA	0000-2359	RMO	The ISO anticipates high loads and temperatures across the Southern CA Region along with threatening fires to ISO facilities. "Restricted Maintenance Operations is for the San Diego Service area Only".
5/16/2014	Friday	Southern CA	0000-2359	RMO	The ISO anticipates high loads and temperatures across the Southern CA Region along with threatening fires to ISO facilities. "Restricted Maintenance Operations is for the San Diego Service area Only".

**AWE Grid History Report**

9/15/2014	Monday	Southern CA	0800-2200	RMO	The ISO is anticipating high loads and temperatures across the Southern CA Region.
9/16/2014	Tuesday	Southern CA	0800-2200	RMO	The ISO is anticipating high loads and temperatures across the Southern CA Region.
11/1/2014	Saturday	ISO	0300-2359	RMO	Effective 0300 to 2359 CAISO declares Restricted Maintenance Operation Due to Transmission Limitations.

## Alert, Warning, and Emergencies Record For 2013

### AWE Declarations

Date	Day	Region	Time Frame	AWE event	Reason
4/16/2013	Tuesday	Northern CA	1000-2359	Flex Alert	Due to transmission outages.
4/25-4/26/2013	Thursday-Friday	Southern CA	0840-2200	RMO	Due to transmission system work in the SDG&E area.
5/30/2013	Thursday	ISO	1617-2359	RMO	Due to loss of and threat to Transmission Facilities and fires within the CAISO Grid.
7/1-7/2/2013	Monday-Tuesday	ISO	0001-2359	RMO	Anticipation of high loads and temperatures across CAISO Grid.
7/1/2013	Monday	Northern CA	1200-1900	Flex Alert	Northern Californians are urged to conserve electricity to avoid power disruptions.
7/2/2013	Tuesday	Northern CA	1200-1900	Flex Alert	Northern Californians are urged to conserve electricity to avoid power disruptions.
8/29/2013	Thursday	Southern CA	0937-1510	RMO	Anticipation of high loads and temperatures across San Diego region.
8/30/2013	Friday	Southern CA	1110-2100	RMO	Anticipation of high loads and temperatures across San Diego region.
12/9/2013	Monday	Southern CA	0444-2359	RMO	The ISO anticipates generation resources may be inadequate in the San Diego area due to gas supply issues.
12/9/2013	Monday	Southern CA	2039-2359	RMO	The ISO anticipates generation resources may be inadequate in the San Diego and SCE areas due to gas supply issues.
12/10/2013	Tuesday	Southern CA	0001-2359	RMO	The ISO anticipates generation resources may be inadequate in the San Diego and SCE areas due to gas supply issues.
12/11/2013	Wednesday	Southern CA	0001-2359	RMO	The ISO anticipates generation resources may be inadequate in the San Diego and SCE areas due to gas supply issues.

## Alert, Warning, and Emergencies Record For 2012

### AWE Declarations

Date	Day	Region	Time Frame	AWE event	Reason (for RMO or above)
1/25/2012	Wednesday	Southern CA	0735-0932	RMO	Loss of Midway-Vincent #2 500kv line and with Midway-Vincent #1 500kv line out of service.
1/31/2012	Tuesday	Southern CA	1630-2359	RMO	Loss of resources in Southern California.
2/1/2012	Wednesday	Southern CA	0600-2359	RMO	Due to loss of generation resources.
2/2/2012	Thursday	Southern CA	Jan-59	RMO	Due to loss of generation resources.
2/3/2012	Friday	Southern CA	0000-2359	RMO	Due to loss of generation resources.
2/4/2012	Saturday	Southern CA	Jan-59	RMO	Due to loss of generation resources.
2/4/2012	Saturday	Northern CA	0900-1323	RMO	Due to current transmission work within CAISO in Northern California at COI.
2/5/2012	Sunday	Southern CA	0000-2359	RMO	Due to loss of generation resources.
2/6/2012	Monday	Southern CA	0000-2359	RMO	Due to loss of generation resources.
2/7/2012	Tuesday	Southern CA	Mar-59	RMO	Due to loss of generation resources.
2/8-2/29/2012	Various	Southern CA	0000-2359	RMO	Due to loss of generation resources.
3/1-3/31/2012	Various	Southern CA	0000-2359	RMO	Due to loss of generation resources.
4/1-4/30/2012	Various	Southern CA	0000-2359	RMO	Due to loss of generation resources.
4/30-5/31/2012	Various	Southern CA	2300-2359	RMO	Due to loss of generation resources.
8/9-8/10/2012	Thursday-Friday	ISO	1000-2000	RMO	Due to high temperatures and loads.
8/10/2012	Friday	ISO	1200-1800	Flex Alert	-
8/13/2012	Monday	ISO	0600-2200	RMO	Anticipation of high loads and temperatures across CAISO Grid.
8/14/2012	Tuesday	ISO	0600-2200	RMO	Anticipation of high loads and temperatures across CAISO Grid.
8/14/2012	Tuesday	ISO	1100-1800	Flex Alert	-
8/15/2012	Wednesday	ISO	0600-2200	RMO	Anticipation of high loads and temperatures across CAISO Grid.
8/29/2012	Wednesday	Southern CA	1000-1900	RMO	Due to high temperatures and loads in Southern CA.
9/10/2012	Monday	Southern CA	1200-1720	RMO	Due to higher than forecasted loads in Southern CA.
9/14/2012	Friday	Southern CA	1450-2100	RMO	Anticipation of high loads and temperatures across the Southern CA and Southwest Region.
10/1/2012	Monday	ISO	1000-1930	RMO	Anticipation of high loads and high temperatures across the CAISO Grid.
11/21/2012	Wednesday	ISO	0840-2300	RMO	Forced transmission limitations.

## Alert, Warning, and Emergencies Record For 2011

### AWE Declarations

Date	Day	Region	Time Frame	AWE event	Reason (for RMO or above)
2/3-2/4/2011	Thursday-Friday	Southern CA	1201-1200	RMO	Due to potential gas curtailments in the San Diego and Imperial County area
7/6/2011	Wednesday	ISO	0800-2000	RMO	Anticipation of higher than forecasted temperatures and associated loads across the CAISO Grid.
9/7/2011	Wednesday	ISO	1149-2200	Flex Alert	-
9/7/2011	Wednesday	ISO	1147-2200	Warning	-
9/7/2011	Wednesday	ISO	0904-2200	RMO	Higher than anticipated temperatures and loads across the CAISO Grid.
9/8/2011	Thursday	ISO	1620-2359	RMO	Major System Disturbance in Southern California, San Diego area.
9/8/2011	Thursday	Southern CA	1617-2359	Transmission Emergency	Major System Disturbance in Southern California, San Diego area.
9/9/2011	Friday	ISO	0000-0956	Flex Alert	-
9/9/2011	Friday	Southern CA	0000-0957	Transmission Emergency	Major System Disturbance in Southern California, San Diego area.
9/9/2011	Friday	ISO	0000-1220	RMO	Due to a transmission emergency in Southern California.
9/9/2011	Friday	Southern CA	1224-0958	RMO	Due to the Grid events of 9/8/2011 resulting in reduced generating capacity in the Southern CA Region.
10/1/2011	Saturday	Southern CA	0500-2041	RMO	Scheduled So. Cal. gas company pipeline outage.
10/8/2011	Saturday	Southern CA	0600-2336	RMO	Scheduled So. Cal. gas company pipeline outage.
10/15/2011	Saturday	Southern CA	0600-2250	RMO	Scheduled So. Cal. gas company pipeline outage.
10/22/2011	Saturday	Southern CA	0600-2056	RMO	Scheduled So. Cal. gas company pipeline outage.
10/29-10/30/2011	Saturday-Sunday	Southern CA	0600-0355	RMO	Scheduled So. Cal. gas company pipeline outage.
11/5/2011	Saturday	Southern CA	0600-1331	RMO	Scheduled So. Cal. gas company pipeline outage.
11/12/2011	Saturday	Southern CA	0600-2150	RMO	Scheduled So. Cal. gas company pipeline outage.
11/19/2011	Saturday	Southern CA	0600-2103	RMO	Scheduled So. Cal. gas company pipeline outage.
12/8/2011	Thursday	Southern CA	0847-1138	RMO	Scheduled So. Cal. gas company pipeline outage.

## Alert, Warning, and Emergencies Record For 2010

### AWE Declarations

Date	Day	Region	Restricted Maintenance Operations	Alert	Warning	Flex Alert	Transmission Emergency	Stage 1	Stage 2	Stage 3	VLRP
01/19/10	Tue	ISO	1640-1959		1640-1822						
1/19-20/10	Tue	ISO	1953-2259								
07/29/10	Thu	ISO					1836-2359				
7/29-31/10	Thu-Sat	ISO	2030-2359								
07/30/10	Sat	ISO					0000-2359				
07/31/10	Sun	ISO	0003-2359								
08/25/10	Wed	ISO	1130-2100								
09/27/10	Mon	ISO	0627-2130								
09/28/10	Tue	ISO	0643-2200								
<b>Total Declarations</b>			<b>7</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

**Stage 1 Emergency Notice** is declared by the ISO any time it is clear that an Operating Reserve shortfall (less than WECC requirement minimum) is unavoidable or, when in real-time operations, the Operating Reserve is forecast to be less than minimum after using available resources. Continuously recalculated; between 6.0% and 7.0%. Can be issued on a system-wide or regional basis.

**Stage 2 Emergency Notice** is declared by the ISO any time it is clear that an Operating Reserve shortfall (less than 5%) is unavoidable or, when in real-time operations, the Operating Reserve is forecast to be less than 5% after dispatching all available resources. Can be issued on a system-wide or regional basis.

**Stage 3 Emergency Notice** is declared by the ISO any time the Spinning Reserve portion of Operating Reserves deplete or are anticipated to drop below the WECC Requirement and cannot be restored. Continuously recalculated; between 1.5% and 3.0%. Can be issued on a system-wide or regional basis.

**Transmission Emergency Notice** is declared by the ISO for any event that threatens, harms, or limits capabilities of any element of the transmission grid and threatens grid reliability. Can be issued on a system-wide or regional basis.

## Alert, Warning, and Emergencies Record For 2009

### AWE Declarations

Date	Day	Region	Restricted Maintenance Operations	Alert	Warning	Flex Alert	Transmission Emergency	Stage 1	Stage 2	Stage 3	VLRP
04/17/09	Fri	So. Cal					1150-1518				
05/27/09	Wed	ISO	1551-2100								
06/10/09	Wed	No. Cal					1918-2005				
07/16/09	Thur	So. Cal					1227-1312				
08/13/09	Thur	No. Cal	1738-2200								
08/28/09	Fri	So. Cal	0830-1900								
08/30/09	Sun	So. Cal	1130-1900								
09/08/09	Tue	So. Cal					0852-0900				
10/13/09	Tue	No. Cal					1338-1745				
10/27/09	Tue	ISO					0603-0607				
10/30/09	Fri	So. Cal	1823-1845								
12/07/09	Mon	ISO			1805-1915						
12/08/09	Tue	ISO	0245-1728		0634-0900						
<b>Total Declarations</b>			<b>6</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Stage 1 Emergency Notice is declared by the ISO any time it is clear that an Operating Reserve shortfall (less than WECC requirement minimum) is unavoidable or, when in real-time operations, the Operating Reserve is forecast to be less than minimum after using available resources.

Stage 2 Emergency Notice is declared by the ISO any time it is clear that an Operating Reserve shortfall (less than 5%) is unavoidable or, when in real-time operations, the Operating Reserve is forecast to be less than 5% after dispatching all available resources.

Stage 3 Emergency Notice is declared by the ISO any time the Spinning Reserve portion of Operating Reserves deplete or are anticipated to drop below the WECC Requirement and cannot be restored.

Transmission Emergency Notice is declared by the ISO for any event that threatens, harms, or limits capabilities of any element of the transmission grid and threatens grid reliability.

**AWE Grid History Report**

**Alert, Warning, and Emergencies Record For 2008**

**AWE Declarations**

Date	Day	RMO	Alert	Warning	Flex Alert	Transmission Emergency	Stage 1	Stage 2	Stage 3	VLRP
06/11/08	Wednesday	1430-2359##								
06/20/08	Friday	0630-2359								
06/21/08	Saturday	1120-2359								
06/27/08	Friday	1209-2359##								
06/28/08	Saturday	0800-2200##								
07/07/08	Monday	1355-2200								
07/08/08	Tuesday	0600-2200			X					
07/09/08	Wednesday	0600-2200			X					
07/10/08	Thursday				X					
08/29/08	Friday	1435-2200								
10/08/08	Wednesday			1521-1716						
11/17/08	Monday	1406-2000								
<b>Total Declarations</b>		<b>10</b>	<b>0</b>	<b>1</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

# Southern California    ## Northern California

**Note:** If there is no designation of area (# or ##), declaration was for entire CAISO Controlled Grid

Stage 1 Emergency Notice is declared by the ISO any time it is clear that an Operating Reserve shortfall (less than WECC requirement minimum) is unavoidable or, when in real-time operations, the Operating Reserve is forecast to be less than minimum after utilizing available resources.

Stage 2 Emergency Notice is declared by the ISO any time it is clear that an Operating Reserve shortfall (less than 5%) is unavoidable or, when in real-time operations, the Operating Reserve is forecast to be less than 5% after dispatching all available resources.

Stage 3 Emergency Notice is declared by the ISO any time the Spinning Reserve portion of Operating Reserves deplete or are anticipated to drop below the WECC Requirement and cannot be restored.

Transmission Emergency Notice is declared by the ISO for any event threatens, harms, or limits capabilities of any element of the transmission grid and threatens grid reliability.



AWE Grid History Report

Alert, Warning, and Emergencies Record For 2007

AWE Declarations

Date	Day	RMO	Alert	Warning	Flex Alert	Transmission Emergency	Stage 1	Stage 2	Stage 3	VLRP
01/15/07	Monday	0946-2100								
05/08/07	Tuesday	0930-1800 (Gen.)								
07/03/07	Tuesday	0800-2000			X					
07/04/07	Wednesday				X					
07/05/07	Thursday				X					
08/29/07	Wednesday	0600-2000		1500-2000	X		1520-1723			
08/30/07	Thursday	0600-2000	0745-1730	1400-1700	X					
08/31/07	Friday	0550-2359		1245-1700	X					
09/03/07	Monday	1254-1900								
09/04/07	Tuesday	0900-1900#								
10/21/07	Sunday	1604-2359#								
		1608-2359 (Gen)#								
10/22/07	Monday	0001-2359#				1408-2200				
		0001-2359(Gen)#								
10/23/07	Tuesday	0001-2359#				0556-2359				
		0001-2359(Gen)#								
10/24/07	Wednesday	0001-2359#				0640-2359				
		0001-2359(Gen)#								
10/25/07	Thursday	0001-1900#				0001-1900				
		0001-1900(Gen)#								
<b>Total Declarations</b>		<b>18</b>	<b>1</b>	<b>3</b>	<b>6</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>

# Southern California    ## Northern California

Stage 1 Emergency Notice is declared by the ISO any time it is clear that an Operating Reserve shortfall (less than MORC minimum) is unavoidable or, when in real-time operations, the Operating Reserve is forecast to be less than minimum after utilizing available resources.

Stage 2 Emergency Notice is declared by the ISO any time it is clear that an Operating Reserve shortfall (less than 5%) is unavoidable or, when in real-time operations, the Operating Reserve is forecast to be less than 5% after dispatching all available resources.

Stage 3 Emergency Notice is declared by the ISO any time the Spinning Reserve portion of Operating Reserves deplete or are anticipated to drop below the MORC Requirement and cannot be restored,

Transmission Emergency Notice is declared by the ISO when any transmission component within the ISO controlled grid has exceeded its maximum facility rating.

AWE Grid History Report

Alert, Warning, and Emergencies Record For 2006

Load Reduction Data

Date	Day	Forecasted Peak Demand (MW)	Actual Peak* Demand (MW)	Load (MW)**		
				Non-Firm	Firm	CDWR/MWD
07/24/06	Monday	52,366	50,270	855		

\*Actual Peak Demand does not include interrupted load values.

\*\*Load includes both Interruptible (Non-Firm) and Firm load (customer and pump load), and is an APPROXIMATE value based on Real Time operating information.

AWE Declarations

Date	Day	RMO	Alert	Warning	Power Watch	Transmission Emergency	Stage 1	Stage 2	Stage 3	VLRP
06/16/06	Friday			1452-1900						
06/22/06	Thursday				X					
06/23/06	Friday				X					
06/24/06	Saturday				X					
06/25/06	Sunday				X					
06/26/06	Monday	1000-2000			X					
06/27/06	Tuesday				X					
06/28/06	Wednesday				X					
07/13/06	Thursday	1200-2200								
07/14/06	Friday	0700-2200			X					
07/15/06	Saturday				X					
07/16/06	Sunday				X					
07/17/06	Monday	0600-2000	1300-1900		X					
07/18/06	Tuesday	0600-2000			X					
07/19/06	Wednesday	0600-2000			X					
07/20/06	Thursday	0600-2000								
07/21/06	Friday	0600-2000		1330-2000	X					
07/22/06	Saturday	0600-2000		1200-2000	X		1312-2000			X
07/23/06	Sunday	0600-2000			X					
07/24/06	Monday	0600-2000		0730-2100	X		1000-2100	1300-2100		X
07/25/06	Tuesday	0600-2000		1000-2000	X		1300-2000			X
07/26/06	Wednesday	0600-2000								
07/27/06	Thursday	0600-2000								
09/05/06	Tuesday	1208-2000#								
09/06/06	Wednesday	0600-2000#								
<b>Total Declarations</b>		<b>16</b>	<b>1</b>	<b>5</b>	<b>18</b>	<b>0</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>3</b>

# Southern California    ## Northern California

Stage 1 Emergency Notice is declared by the ISO any time it is clear that an Operating Reserve shortfall (less than MORC minimum) is unavoidable or, when in real-time operations, the Operating Reserve is forecast to be less than minimum after utilizing available resources.

Stage 2 Emergency Notice is declared by the ISO any time it is clear that an Operating Reserve shortfall (less than 5%) is unavoidable or, when in real-time operations, the Operating Reserve is forecast to be less than 5% after dispatching all available resources.

Stage 3 Emergency Notice is declared by the ISO any time it is clear that the Spinning Reserve portion of Operating Reserve is less than the ISO's single largest resource or when, in real-time operations, the Operating Reserve is forecast to be less than the single largest resource.

Transmission Emergency Notice is declared by the ISO when any transmission component within the ISO controlled grid has exceeded its maximum facility rating.

Alert, Warning, and Emergencies Record For 2005

Load Reduction Data

Date	Day	Forecasted Peak Demand (MW)	Actual Peak Demand (MW)	Load (MW)**		
				Non-Firm	Firm	CDWR/MWD
07/21/05	Thursday	45,294	44,652	230		
07/22/05	Friday	45,754	44,048	200		294
08/25/05	Thursday	38,357	41,786	700	900	55

\*Actual Peak Demand does not include interrupted load values.

\*\*Load includes both Interruptible (Non-Firm) and Firm load (customer and pump load), and is an APPROXIMATE value based on Real Time operating information.

AWE Declarations

Date	Day	RMO	Alert	Warning	Power Watch	Transmission Emergency	Stage 1	Stage 2	Stage 3
04/12/05	Tuesday					0434-0508			
07/12/05	Tuesday	0800-2159							
07/13/05	Wednesday	0600-2200							
07/14/05	Thursday	0600-2200			X				
07/15/05	Friday	0600-2200							
07/18/05	Monday	0700-2200			X				
07/19/05	Tuesday	0600-2200							
07/20/05	Wednesday	1045-2200							
07/21/05	Thursday	0800-2200			X	1430-2100#		1432-1730#	
07/22/05	Friday	0800-2200		1115-2000#	X			1354-1800#	
07/23/05	Saturday				X	1656-1730			
07/24/05	Sunday				X				
7/25/2005	Monday				X				
8/25/2005	Thursday	1130-2000#		1305-2000#		1552-2359#			
9/28/2005	Wednesday	1450-2000#							
9/29/2005	Thursday	0800-2000							
10/14/2005	Friday	1109-1824#					1425-1715		
12/21/2005	Wednesday					1136-1308#			
<b>Total Declarations</b>		<b>13</b>	<b>0</b>	<b>2</b>	<b>7</b>	<b>5</b>	<b>1</b>	<b>2</b>	<b>0</b>

# Southern California    ## Northern California

Stage 1 Emergency Notice is declared by the ISO any time it is clear that an Operating Reserve shortfall (less than MORC minimum) is unavoidable or, when in real-time operations, the Operating Reserve is forecast to be less than minimum after utilizing available resources.

Stage 2 Emergency Notice is declared by the ISO any time it is clear that an Operating Reserve shortfall (less than 5%) is unavoidable or, when in real-time operations, the Operating Reserve is forecast to be less than 5% after dispatching all available resources

Stage 3 Emergency Notice is declared by the ISO any time it is clear that the Spinning Reserve portion of Operating Reserve is less than the ISO's single largest resource or when, in real-time operations, the Operating Reserve is forecast to be less than the single largest resource.

Transmission Emergency Notice is declared by the ISO when any transmission component within the ISO controlled grid has exceeded its maximum facility rating.

California ISO Declared Emergencies For 2004

Date	Day	Forecasted Peak Demand (MW)	Actual Peak* Demand (MW)	Load (MW)**			Stage 1	Stage 2	Stage 3	Trans.
				Non-Firm	Firm	CDWR/MWD				
01/12/04	Monday	30,167	30,774							0005-0200
02/03/04	Tuesday	30,325	30,792							1139-1151
03/08/04	Monday	30,682	31,777	50	250					1822-1900
03/29/04	Monday	32,064	32,649				1350-1929			
05/03/04	Monday	37,460	40,565	628		68				1420-1900
07/20/04	Tuesday	43,414	44,330	300		40				1950-2359
09/14/04	Tuesday	38,040	36,670	8						1010-1700
<b>Total Declarations</b>							<b>1</b>	<b>0</b>	<b>0</b>	<b>6</b>

\* Actual Peak Demand does not include interrupted load values.

\*\* Load includes both interruptible (Non-Firm) and Firm load and is an approximate value based on information obtained from the ISO log.

Stage 1 Emergency Notice is declared by the ISO any time it is clear that an Operating Reserve shortfall (less than MORC minimum) is unavoidable or, when in real-time operations, the Operating Reserve is forecast to be less than minimum after utilizing available resources.

Stage 2 Emergency Notice is declared by the ISO any time it is clear that an Operating Reserve shortfall (less than 5%) is unavoidable or, when in real-time operations, the Operating Reserve is forecast to be less than 5% after dispatching all available resources.

Stage 3 Emergency Notice is declared by the ISO any time it is clear that the Spinning Reserve portion of Operating Reserve is less than the ISO's single largest resource or when, in real-time operations, the Operating Reserve is forecast to be less than the single largest resource.

Transmission Emergency Notice is declared by the ISO when any transmission component within the ISO controlled grid has exceeded its maximum facility rating.

**AWE Grid History Report**

**Declared Restricted Maintenance Operations\*, Alert, Warning, Power Watch, or  
Transmission Emergency Days for 2004**

<b>RMO*</b>	<b>Alert</b>	<b>Warning</b>	<b>Power Watch</b>	<b>Transmission Emergency</b>
				01/12/04
				02/03/04
				03/08/04
03/29/04		03/29/04		
04/26/04	04/26/04			
04/27/04				
05/03/04				05/03/04
07/19/04				
07/20/04				07/20/04
07/21/04				
07/22/04				
07/26/04			07/26/04	
07/27/04				
			08/09/04	
			08/10/04	
08/11/04				
08/12/04				
			09/06/04	
09/07/04				
09/08/04				
09/09/04				
09/10/04		09/10/04	09/10/04	
			09/14/04	09/14/04
<b>16</b>	<b>1</b>	<b>2</b>	<b>6</b>	<b>6</b>

\* Restricted Maintenance Operations. Formerly referred to as "No-Touch Day"

California ISO Declared Emergencies For 2003

Date	Day	Forecasted Peak Demand (MW)	Actual Peak Demand (MW)	Interruptible Load (MW)**			Stage 1	Stage 2	Stage 3
				Non-Firm	Firm	CDWR			
5/28/2003	Wednesday	35,012	39,577	0	0	0	1500-1759		
							1	0	0

\* Actual Peak Demand includes the Interruptible Load.

\*\* Interruptible Load is approximate and based on information provided by the UDCs.

Stage 1 Emergency Notice is declared by the ISO any time it is clear that an Operating Reserve shortfall (less than MORC minimum) is unavoidable or, when in real-time operations, the Operating Reserve is forecast to be less than minimum after utilizing available resources.

Stage 2 Emergency Notice is declared by the ISO any time it is clear that an Operating Reserve shortfall (less than 5%) is unavoidable or, when in real-time operations, the Operating Reserve is forecast to be less than 5% after dispatching all available resources.

Stage 3 Emergency Notice is declared by the ISO any time it is clear that Operating Reserve is less than the ISO's single largest resource or when, in real-time operations, the Operating Reserve is forecast to be less than the single largest resource

**Declared Restricted Maintenance Operations\*, Alert, Warning or Power Watch Days for 2003**

<b>RMO*</b>	<b>Alert</b>	<b>Warning</b>	<b>Power Watch</b>
3/21/2003			
3/22/2003			
3/23/2003			
3/24/2003			
3/25/2003			
3/26/2003			
3/27/2003			
3/28/2003			
5/28/2003			
5/29/2003			
<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>

\* Restricted Maintenance Operations. Formerly referred to as "No-Touch Day"

California ISO Declared Emergencies For 2002

Date	Day	Forecasted Peak Demand (MW)	Actual Peak Demand (MW)	Interruptible Load (MW)**			Stage 1	Stage 2	Stage 3
				Non-Firm	Firm	CDWR			
6/18/2002	Tuesday	34,651	34,845	0	0	326			
7/9/2002	Tuesday	40,402	41,838	0	0	0	14:40-19:00		
7/10/2002	Wednesday	42,564	42,441	1320	0	204	14:30-17:59	15:00-17:59	
9/3/2002	Tuesday	38,934	40,835	792	0	110			
							2	1	0

\* Actual Peak Demand includes the Interruptible Load.

\*\* Interruptible Load is approximate and based on information provided by the UDCs.

Stage 1 Emergency Notice is declared by the ISO any time it is clear that an Operating Reserve shortfall (less than MORC minimum is unavoidable or, when in real-time operations, the Operating Reserve is forecast to be less than minimum after utilizing available resources.

Stage 2 Emergency Notice is declared by the ISO any time it is clear that an Operating Reserve shortfall (less than 5%) is unavoidable or, when in real-time operations, the Operating Reserve is forecast to be less than 5% after dispatching all available resources

Stage 3 Emergency Notice is declared by the ISO any time it is clear that Operating Reserve is less than the ISO's single largest resource or when, in real-time operations, the Operating Reserve is forecast to be less than the single largest resource



**Declared Restricted Maintenance Operations\*, Alert, Warning or Power Watch Days for 2002**

<b>RMO*</b>	<b>Alert</b>	<b>Warning</b>	<b>Power Watch</b>
5/30/2002			
6/6/2002			
6/27/2002			
6/28/2002			
7/1/2002		7/1/2002	
7/9/2002		7/9/2002	
7/10/2002	7/10/2002	7/10/2002	7/10/2002
7/11/2002	7/11/2002		
7/12/2002			
7/15/2002	7/15/2002		
7/18/2002			
7/24/2002			
8/12/2002			
8/13/2002			
9/2/2002		9/2/2002	
9/3/2002			
9/4/2002			
9/5/2002			
<b>18</b>	<b>3</b>	<b>4</b>	<b>1</b>

\* Restricted Maintenance Operations. Formerly referred to as "No-Touch Day"

AWE Grid History Report

California ISO Declared Emergencies For 2001

Date	Day	Forecasted Peak Demand (MW)	Actual Peak Demand (MW)	Interruptible Load (MW)**			Stage 1	Stage 2	Stage 3
				Non-Firm	Firm	CDWR			
1/8/2001	Monday	32386	32265	None	None		1606-2200	None	None
1/9/2001	Tuesday	32322	31680*	1131	None		0645-2300	1715-2300	None
1/10/2001	Wednesday	32488	32623*	264	None		0700-2359	1530-2359	None
1/11/2001	Thursday	32589	31239*	833	None		0319-2359	0500-2359	0850-2359
1/12/2001	Friday	31729	30824	None	None		0001-2359	0001-2200	0017-0300
1/14/2001	Sunday	28825	27959	None	None		1920-2359	1920-2359	None
1/15/2001	Monday	31883	31711	None	None		0910-2359	0925-2359	None
1/16/2001	Tuesday	32315	30979*	1146	None	318	0030-2359	0030-2359	0720-2359
1/17/2001	Wednesday	32279	29727*	841	500		0001-2359	0001-2359	0145-2359
1/18/2001	Thursday	31856	29537*	927	1000	307	0001-2359	0001-2359	0001-2359
1/19/2001	Friday	30798	29258*	1171	None		0001-2359	0001-2359	0001-2359
1/20/2001	Saturday	28166	27112*	257	None		0001-2359	0001-2359	0001-2359
1/21/2001	Sunday	27925	27657*	234	101		0001-2359	0001-2359	0001-2359
1/22/2001	Monday	32187	30315	None	None		0001-2359	0001-2359	0001-2359
1/23/2001	Tuesday	31883	30938	None	None		0001-2359	0001-2359	0001-2359
1/24/2001	Wednesday	31701	31405	None	None		0001-2359	0001-2359	0001-2359
1/25/2001	Thursday	31109	31357	None	None		0001-2359	0001-2359	0001-2359
1/26/2001	Friday	30559	29485*	1054	None		0001-2359	0001-2359	0001-2359
1/27/2001	Saturday	27620	27648	None	None		0001-2359	0001-2359	0001-2359
1/28/2001	Sunday	27830	26429	None	None		0001-2359	0001-2359	0001-2359
1/29/2001	Monday	31217	30789	None	None		0001-2359	0001-2359	0001-2359
1/30/2001	Tuesday	31223	30937	None	None		0001-2359	0001-2359	0001-2359
1/31/2001	Wednesday	30760	30753	None	None		0001-2359	0001-2359	0001-2359
2/1/2001	Thursday	30864	30284	None	None		0001-2359	0001-2359	0001-2359
2/2/2001	Friday	29594	29268	None	None		0001-2359	0001-2359	0001-2359
2/3/2001	Saturday	27115	26789	None	None		0001-2359	0001-2359	0001-2359
2/4/2001	Sunday	27413	27623	None	None		0001-2359	0001-2359	0001-2359
2/5/2001	Monday	30874	30276	None	None		0001-2359	0001-2359	0001-2359
2/6/2001	Tuesday	30848	30307	None	None		0001-2359	0001-2359	0001-2359
2/7/2001	Wednesday	31000	30611	None	None		0001-2359	0001-2359	0001-2359
2/8/2001	Thursday	30493	30457	None	None		0001-2359	0001-2359	0001-2359
2/9/2001	Friday	29949	29910*	None	None	79	0001-2359	0001-2359	0001-2359
2/10/2001	Saturday	27650	27606	None	None		0001-2359	0001-2359	0001-2359
2/11/2001	Sunday	28196	28164	None	None		0001-2359	0001-2359	0001-2359
2/12/2001	Monday	31236	30683*	312	None		0001-2359	0001-2359	0001-2359
2/13/2001	Tuesday	31340	29947*	252	None		0001-2359	0001-2359	0001-2359
2/14/2001	Wednesday	30896	29312*	257	None		0001-2359	0001-2359	0001-2359
2/15/2001	Thursday	29840	29818*	196	None		0001-2359	0001-2359	0001-2359
2/16/2001	Friday	28800	28411	None	None		0001-2359	0001-2359	0001-2359
2/17/2001	Saturday	26945	25441	None	None		0001-2359	0001-2359	None
2/18/2001	Sunday	27263	25994	None	None		0001-2359	0001-2359	None

**AWE Grid History Report**

**California ISO Declared Emergencies For 2001**

Date	Day	Forecasted Peak Demand (MW)	Actual Peak Demand (MW)	Interruptible Load (MW)**			Stage 1	Stage 2	Stage 3
				Non-Firm	Firm	CDWR			
2/19/2001	Monday	29772	28994	None	None		0001-2359	0001-2359	None
2/20/2001	Tuesday	30867	29619	None	None		0001-2359	0001-2359	None
2/21/2001	Wednesday	29737	29448	None	None		0001-2359	0001-1159	None
2/22/2001	Thursday	29706	29787	None	None		0001-0900	None	None
2/28/2001	Wednesday	29285	29552*	179	None		1000-2359	1000-2000	None
3/1/2001	Thursday	29058	29474	None	None		0650-1000	0650-1000	None
3/5/2001	Monday	30264	29778	None	None		0800-2359	None	None
3/15/2001	Thursday	28675	28882*	313	None		1030-2159	1030-2159	None
3/19/2001	Monday	29348	29476*	246	1000		0600-2359	0600-2359	1146-2059
3/20/2001	Tuesday	29952	29691*	189	500		0001-2159	0001-2159	0917-1430
3/21/2001	Wednesday	29443	29657	None	None		0626-2259	None	None
3/27/2001	Tuesday	29285	29410*	291	None		1320-2159	1320-2159	None
3/28/2001	Wednesday	29331	29548*	135	None		1052-2359	1115-2359	None
3/29/2001	Thursday	29468	29496	None	None		1010-2359	None	None
3/30/2001	Friday	28661	29279*	149	None		0900-2359	0900-1700	None
3/31/2001	Saturday	26617	26394*	250	None		1130-2000	1130-2000	None
4/2/2001	Monday	29119	28783*	156	None		0840-2359	0840-2359	None
4/3/2001	Tuesday	28465	28710*	103	None		0001-1300	0001-1300	None
4/9/2001	Monday	28462	28559	None	None		0750-1045	0750-1045	None
4/24/2001	Tuesday	29903	30975	None	None		1337-2359	1405-2359	None
4/25/2001	Wednesday	30550	31770	None	None		1518-2159	1518-2159	None
5/7/2001	Monday	32010	33446*	863	300	300	0804-2359	1000-2359	1643-1800
5/8/2001	Tuesday	34469	34455*	938	400	300	0815-2359	1115-2300	1510-1730
5/9/2001	Wednesday	35499	33839*	863	None		1015-2359	1145-2230	None
5/10/2001	Thursday	33806	33693*	913	None		1300-2359	1300-2359	None
5/30/2001	Wednesday	34353	35749	None	None		1130-2359	1400-2359	None
5/31/2001	Thursday	36229	37808*	783	None		0900-2300	1132-2215	None
7/2/2001	Monday	39558	40586	None	None		1332-1800	1435-1724	None
7/3/2001	Tuesday	39231	41192*	826	None		1120-1800	1140-1720	None

\* Actual Peak Demand includes the Interruptible Load.

\*\* Interruptible Load is approximate and based on information provided by the UDCs.

**Stage 1 Emergency Notice is declared by the ISO any time it is clear that an Operating Reserve shortfall (less than MORC minimum is unavoidable or, when in real-time operations, the Operating Reserve is forecast to be less than minimum after utilizing available resources.**

**Stage 2 Emergency Notice is declared by the ISO any time it is clear that an Operating Reserve shortfall (less than 5%) is unavoidable or, when in real-time operations, the Operating Reserve is forecast to be less than 5% after dispatching all available resources**

**Stage 3 Emergency Notice is declared by the ISO any time it is clear that Operating Reserve is less than the ISO's single largest resource or when, in real-time operations, the Operating Reserve is forecast to be less than the single largest resource all available resources.**

**AWE Grid History Report**

**Declared No Touch, Alert, Warning and Power Watch Days for 2001**

<b>No Touch</b>	<b>Alert</b>	<b>Warning</b>	<b>Power Watch</b>
1/1/2001	1/1/2001	1/1/2001	1/11/2001
1/2/2001	1/2/2001	1/2/2001	1/12/2001
1/3/2001	1/3/2001	1/3/2001	1/17/2001
1/4/2001	1/4/2001	1/4/2001	1/20/2001
1/5/2001	1/5/2001	1/5/2001	1/21/2001
1/6/2001	1/6/2001	1/6/2001	1/22/2001
1/7/2001	1/7/2001	1/7/2001	1/23/2001
1/8/2001	1/8/2001	1/8/2001	1/24/2001
1/9/2001	1/9/2001	1/9/2001	1/25/2001
1/10/2001	1/10/2001	1/10/2001	1/26/2001
1/11/2001	1/11/2001	1/11/2001	1/27/2001
1/12/2001	1/12/2001	1/12/2001	1/28/2001
1/13/2001	1/13/2001	1/13/2001	1/29/2001
1/14/2001	1/14/2001	1/14/2001	1/30/2001
1/15/2001	1/15/2001	1/15/2001	1/31/2001
1/16/2001	1/16/2001	1/16/2001	
1/17/2001	1/17/2001	1/17/2001	
1/18/2001	1/18/2001	1/18/2001	
1/19/2001	1/19/2001	1/19/2001	
1/20/2001	1/20/2001	1/20/2001	
1/21/2001	1/21/2001	1/21/2001	
1/22/2001	1/22/2001	1/22/2001	
1/23/2001	1/23/2001	1/23/2001	
1/24/2001	1/24/2001	1/24/2001	
1/25/2001	1/25/2001	1/25/2001	
1/26/2001	1/26/2001	1/26/2001	
1/27/2001	1/27/2001	1/27/2001	
1/28/2001	1/28/2001	1/28/2001	
1/29/2001	1/29/2001	1/29/2001	
1/30/2001	1/30/2001	1/30/2001	
1/31/2001	1/31/2001	1/31/2001	
2/1/2001	2/1/2001	2/1/2001	2/1/2001
2/2/2001	2/2/2001	2/2/2001	2/2/2001
2/3/2001	2/3/2001	2/3/2001	2/3/2001
2/4/2001	2/4/2001	2/4/2001	2/4/2001
2/5/2001	2/5/2001	2/5/2001	2/5/2001
2/6/2001	2/6/2001	2/6/2001	2/6/2001
2/7/2001	2/7/2001	2/7/2001	2/7/2001
2/8/2001	2/8/2001	2/8/2001	2/8/2001
2/9/2001	2/9/2001	2/9/2001	
2/10/2001	2/10/2001	2/10/2001	
2/11/2001	2/11/2001	2/11/2001	
2/12/2001	2/12/2001	2/12/2001	
2/13/2001	2/13/2001	2/13/2001	2/13/2001
2/14/2001	2/14/2001	2/14/2001	
2/15/2001	2/15/2001	2/15/2001	2/15/2001
2/16/2001	2/16/2001	2/16/2001	
2/17/2001	2/17/2001	2/17/2001	
2/18/2001	2/18/2001	2/18/2001	

**AWE Grid History Report**

**Declared No Touch, Alert, Warning and Power Watch Days for 2001**

<b>No Touch</b>	<b>Alert</b>	<b>Warning</b>	<b>Power Watch</b>
2/19/2001	2/19/2001	2/19/2001	
2/20/2001	2/20/2001	2/20/2001	
2/21/2001	2/21/2001	2/21/2001	
2/22/2001	2/22/2001	2/22/2001	
2/23/2001	2/23/2001	2/23/2001	
2/24/2001	2/24/2001	2/24/2001	
2/25/2001	2/25/2001	2/25/2001	
2/26/2001	2/26/2001	2/26/2001	
2/27/2001	2/27/2001	2/27/2001	
2/28/2001	2/28/2001	2/28/2001	
3/1/2001	3/1/2001	3/1/2001	
3/2/2001	3/2/2001	3/2/2001	
3/3/2001	3/3/2001	3/3/2001	
3/4/2001	3/4/2001	3/4/2001	
3/5/2001	3/5/2001	3/5/2001	
3/6/2001	3/6/2001	3/6/2001	
3/7/2001	3/7/2001	3/7/2001	
3/8/2001	3/8/2001	3/8/2001	
3/9/2001	3/9/2001	3/9/2001	
3/10/2001	3/10/2001	3/10/2001	
3/11/2001	3/11/2001	3/11/2001	
3/12/2001	3/12/2001	3/12/2001	
3/13/2001	3/13/2001	3/13/2001	
3/14/2001	3/14/2001	3/14/2001	
3/15/2001	3/15/2001	3/15/2001	
3/16/2001	3/16/2001	3/16/2001	
3/17/2001	3/17/2001	3/17/2001	
3/18/2001	3/18/2001	3/18/2001	
3/19/2001	3/19/2001	3/19/2001	
3/20/2001	3/20/2001	3/20/2001	
3/21/2001	3/21/2001	3/21/2001	
3/22/2001	3/22/2001	3/22/2001	
3/23/2001	3/23/2001	3/23/2001	
3/24/2001	3/24/2001	3/24/2001	
3/25/2001	3/25/2001	3/25/2001	
3/26/2001	3/26/2001	3/26/2001	
3/27/2001	3/27/2001	3/27/2001	
3/28/2001	3/28/2001	3/28/2001	
3/29/2001	3/29/2001	3/29/2001	
3/30/2001	3/30/2001	3/30/2001	
3/31/2001	3/31/2001	3/31/2001	
4/1/2001	4/1/2001	4/1/2001	
4/2/2001	4/2/2001	4/2/2001	
4/3/2001	4/3/2001	4/3/2001	
4/4/2001	4/4/2001	4/4/2001	
4/5/2001	4/5/2001	4/5/2001	
4/6/2001	4/6/2001	4/6/2001	
4/7/2001	4/7/2001	4/7/2001	

**AWE Grid History Report**

**Declared No Touch, Alert, Warning and Power Watch Days for 2001**

<b>No Touch</b>	<b>Alert</b>	<b>Warning</b>	<b>Power Watch</b>
4/8/2001	4/8/2001	4/8/2001	
4/9/2001	4/9/2001	4/9/2001	
4/10/2001	4/10/2001	4/10/2001	
4/11/2001	4/11/2001	4/11/2001	
4/12/2001	4/12/2001	4/12/2001	
4/13/2001	4/13/2001	4/13/2001	
4/14/2001	4/14/2001	4/14/2001	
4/15/2001	4/15/2001	4/15/2001	
4/16/2001	4/16/2001	4/16/2001	
4/17/2001	4/17/2001	4/17/2001	
4/18/2001	4/18/2001	4/18/2001	
4/19/2001	4/19/2001	4/19/2001	
4/20/2001	4/20/2001	4/20/2001	
4/21/2001	4/21/2001	4/21/2001	
4/22/2001	4/22/2001	4/22/2001	
4/23/2001	4/23/2001	4/23/2001	
4/24/2001	4/24/2001	4/24/2001	
4/25/2001	4/25/2001	4/25/2001	
4/26/2001	4/26/2001	4/26/2001	
4/27/2001	4/27/2001	4/27/2001	
4/28/2001	4/28/2001	4/28/2001	
4/29/2001	4/29/2001	4/29/2001	
4/30/2001	4/30/2001	4/30/2001	
5/1/2001	5/1/2001	5/1/2001	
5/2/2001	5/2/2001	5/2/2001	
5/3/2001	5/3/2001	5/3/2001	
5/4/2001	5/4/2001	5/4/2001	
5/5/2001	5/5/2001	5/5/2001	
5/6/2001	5/6/2001	5/6/2001	
5/7/2001	5/7/2001	5/7/2001	
5/8/2001	5/8/2001	5/8/2001	
5/9/2001	5/9/2001	5/9/2001	
5/10/2001	5/10/2001	5/10/2001	
5/11/2001	5/11/2001	5/11/2001	
5/12/2001	5/12/2001	5/12/2001	
5/13/2001	5/13/2001	5/13/2001	
5/14/2001	5/14/2001	5/14/2001	
5/15/2001	5/15/2001	5/15/2001	
5/16/2001	5/16/2001	5/16/2001	
5/17/2001	5/17/2001	5/17/2001	
5/18/2001	5/18/2001	5/18/2001	
5/19/2001	5/19/2001	5/19/2001	
5/20/2001	5/20/2001	5/20/2001	
5/21/2001	5/21/2001	5/21/2001	
5/22/2001	5/22/2001	5/22/2001	
5/23/2001	5/23/2001	5/23/2001	
5/24/2001	5/24/2001	5/24/2001	
5/25/2001	5/25/2001	5/25/2001	

**AWE Grid History Report**

**Declared No Touch, Alert, Warning and Power Watch Days for 2001**

<b>No Touch</b>	<b>Alert</b>	<b>Warning</b>	<b>Power Watch</b>
5/26/2001	5/26/2001	5/26/2001	
5/27/2001	5/27/2001	5/27/2001	
5/28/2001	5/28/2001	5/28/2001	
5/29/2001	5/29/2001	5/29/2001	
5/30/2001	5/30/2001	5/30/2001	
5/31/2001	5/31/2001	5/31/2001	
6/1/2001	6/1/2001	6/1/2001	
6/2/2001	6/2/2001	6/2/2001	
6/3/2001	6/3/2001	6/3/2001	
6/4/2001	6/4/2001	6/4/2001	
6/5/2001	6/5/2001	6/5/2001	
6/7/2001	6/6/2001	6/6/2001	
6/17/2001	6/7/2001	6/7/2001	
6/18/2001	6/8/2001	6/8/2001	
6/19/2001	6/9/2001	6/9/2001	
6/20/2001	6/10/2001	6/10/2001	
6/21/2001	6/11/2001	6/11/2001	
6/22/2001	6/12/2001	6/12/2001	
	6/13/2001	6/13/2001	
	6/14/2001	6/14/2001	
	6/15/2001	6/15/2001	
	6/16/2001	6/16/2001	
	6/17/2001	6/17/2001	6/17/2001
	6/18/2001	6/18/2001	
	6/19/2001	6/19/2001	
	6/20/2001	6/20/2001	
	6/21/2001	6/21/2001	
	6/22/2001	6/22/2001	
	6/23/2001	6/23/2001	
	6/24/2001	6/24/2001	
	6/25/2001	6/25/2001	
	6/26/2001	6/26/2001	
7/2/2001	7/2/2001	7/2/2001	
7/3/2001	7/3/2001	7/3/2001	
7/5/2001	7/5/2001	7/5/2001	
8/8/2001		8/8/2001	
8/28/2001			
<b>168</b>	<b>180</b>	<b>181</b>	<b>26</b>

AWE Grid History Report

California ISO Declared Emergencies For 2000

Date	Day	Forecasted Peak Demand (MW)	Actual Peak Demand (MW)	Interruptible Load (MW)**		Stage 1	Stage 2	Stage 3
				Non-Firm	Firm			
5/22/2000	Monday	39000	40862*	1054	0	1030-1800	1230-1700	None
6/13/2000	Tuesday	44756	42318	0	0	1600-1826	None	None
6/14/2000	Wednesday	45329	44239*	509	100	1300-2030	None	None
6/26/2000	Monday	41063	43300*	300	0	1510-1745	1542-1715	None
6/27/2000	Tuesday	43042	43793*	1000	0	1000-2020	1330-1900	None
6/28/2000	Wednesday	43953	43911*	1000	0	1200-1900	1415-1745	None
6/29/2000	Thursday	42754	41743	0	0	1330-1830	None	None
7/19/2000	Wednesday	39752	42610*	930	0	1450-1900	1450-1800	None
7/20/2000	Thursday	41405	41781	0	0	1100-2000	None	None
7/24/2000	Monday	42945	43537	0	0	1100-1800	None	None
7/25/2000	Tuesday	42737	42292	0	0	1530-1900	None	None
7/28/2000	Friday	40292	41504	0	0	1415-1800	None	None
7/31/2000	Monday	45391	45245*	1995	0	1101-2000	1318-1800	None
8/1/2000	Tuesday	46245	45281*	1778	0	1100-2100	1200-1900	None
8/2/2000	Wednesday	45723	45069*	2190	0	1100-2000	1200-1830	None
8/3/2000	Thursday	44776	43018	0	0	1100-1900	1400-1800	None
8/4/2000	Friday	40297	42050	0	0	1400-1800	None	None
8/11/2000	Friday	41833	40474	0	0	1400-2000	1430-1700	None
8/14/2000	Monday	42635	43087*	746	0	1400-1800	1500-1730	None
8/15/2000	Tuesday	42830	42927*	681	0	1100-2000	1300-1930	None
8/16/2000	Wednesday	43617	45494*	1710	0	1100-1900	1238-1900	None
8/17/2000	Thursday	41973	43360	0	0	1100-1800	1415-1730	None
8/22/2000	Tuesday	38399	38358	0	0	1430-1900	None	None
8/25/2000	Friday	39683	40246	0	0	1404-1900	None	None
8/26/2000	Saturday	35809	36237	0	0	1515-1800	None	None
9/12/2000	Tuesday	38987	39908	0	0	1620-1800	None	None
9/13/2000	Wednesday	39750	41728*	1169	0	1410-1800	1454-1700	None
9/14/2000	Thursday	40482	40926	0	0	1100-2000	1400-1800	None
9/16/2000	Saturday	40613	37552	0	0	1537-1742	None	None
9/18/2000	Monday	43187	43740*	1697	0	1100-2100	1300-1700	None
9/19/2000	Tuesday	44827	43105	0	0	1100-2200	None	None
9/20/2000	Wednesday	42865	40985	0	0	1300-2000	None	None
11/13/2000	Monday	32820	34384*	1840	0	1658-2046	1713-2048	None



California ISO Declared Emergencies For 2000

Date	Day	Forecasted Peak Demand (MW)	Actual Peak Demand (MW)	Interruptible Load (MW)**		Stage 1	Stage 2	Stage 3
				Non-Firm	Firm			
11/14/2000	Tuesday	32900	33440*	1377	0	1600-2200	1700-1900	None
11/15/2000	Wednesday	33587	32730*	1147	0	0700-2300	1600-2000	None
11/16/2000	Thursday	32906	32486	0	0	1600-2200	None	None
11/19/2000	Sunday	29042	29323	0	0	0915-2200	None	None
11/20/2000	Monday	32416	31892	0	0	0520-2100	1645-1900	None
12/4/2000	Monday	34275	34088*	1289	0	0657-2200	1600-2159	None
12/5/2000	Tuesday	34498	33076*	1379	0	0535-2200	1600-2100	None
12/6/2000	Wednesday	34226	34115*	1379	0	0615-2400	0700-2200	None
12/7/2000	Thursday	33839	33197*	1393	200***	0100-2400	0400-2400	1715-1930
12/8/2000	Friday	33033	32624	0	0	0001-2400	0001-2400	None
12/9/2000	Saturday	30404	30428	0	0	0700-2200	0912-2200	None
12/10/2000	Sunday	30899	30519*	200	0	1115-2200	1646-2200	None
12/11/2000	Monday	33952	33719*	367	0	0930-2300	1640-2300	None
12/12/2000	Tuesday	34225	33710*	0	400***	0001-2200	1710-2200	None
12/13/2000	Wednesday	34152	33668	0	0	0600-2400	1415-2200	None
12/14/2000	Thursday	33752	33262	0	0	0001-2400	0001-2300	None
12/18/2000	Monday	34330	33738	0	0	1300-2400	None	None
12/19/2000	Tuesday	33307	33782	0	0	0130-2400	0915-2400	None
12/20/2000	Wednesday	33720	32834	0	0	0915-2400	1410-2400	None
12/21/2000	Thursday	33695	32937	0	0	0001-2400	0730-2400	None
12/23/2000	Saturday	30484	29134	0	0	0022-2200	0022-2200	None
12/24/2000	Sunday	30271	27689	0	0	0920-2200	None	None

\* Actual Peak Demand includes the Interruptible Load.

\*\* Interruptible Load is approximate and based on information provided by the UDCs.

\*\*\* CDWR dropped pump load.

Stage 1 Emergency Notice is declared by the ISO any time it is clear that an Operating Reserve shortfall (less than MORC minimum) is unavoidable or, when in real-time operations, the Operating Reserve is forecast to be less than minimum after utilizing available resources.

Stage 2 Emergency Notice is declared by the ISO any time it is clear that an Operating Reserve shortfall (less than 5%) is unavoidable or, when in real-time operations, the Operating Reserve is forecast to be less than 5% after dispatching all resources available.

Stage 3 Emergency Notice is declared by the ISO any time it is clear that Operating Reserve is less than the ISO's single largest resource or when, in real-time operations, the Operating Reserve is forecast to be less than the single largest resource after all available resources.

**California ISO Declared Emergencies for 1999**

Date	Day	Forecasted Peak Demand (MW)	Actual Peak Demand (MW)	Interruptible Load (MW)**		Stage 1	Stage 2	Stage 3
				Non-Firm	Firm			
6/29/1999	Tuesday	38522	40556	0	0	1445-1800	None	None
7/12/1999	Monday	45617	45884	0	0	1415-2000	None	None
8/26/1999	Thursday	43020	41548	0	0	1020-1620	None	None
9/30/1999	Thursday	37662	41227*	1155	0	1428-2000	1625-1734	None

\* Actual Peak Demand includes the Interruptible Load.

\*\* Interruptible Load is approximate and based on information provided by the UDCs.

**Stage 1 Emergency Notice is declared by the ISO any time it is clear that an Operating Reserve shortfall (less than MORC minimum) is unavoidable or, when in real-time operations, the Operating Reserve is forecast to be less than minimum after utilizing available resources.**

**Stage 2 Emergency Notice is declared by the ISO any time it is clear that an Operating Reserve shortfall (less than 5%) is unavoidable or, when in real-time operations, the Operating Reserve is forecast to be less than 5% after dispatching all resources available.**

**Stage 3 Emergency Notice is declared by the ISO any time it is clear that Operating Reserve is less than the ISO's single largest resource or when, in real-time operations, the Operating Reserve is forecast to be less than the single largest resource after utilizing all available resources.**

California ISO Declared Emergencies for 1998

Date	Day	Forecasted Peak Demand (MW)	Actual Peak Demand (MW)	Interruptible Load (MW)**		Stage 1	Stage 2	Stage 3
				Non-Firm	Firm			
7/27/1998	Monday	41776	43382*	1940	0	1445-1900	1450-1705	None
8/4/1998	Tuesday	45532	44707	0	0	1352-2200	1500-1917	None
8/31/1998	Monday	44836	45676*	1337	0	1405-2200	1505-1710	None
9/1/1998	Tuesday	44810	44726*	320	0	0810-2100	1300-1645	None
9/2/1998	Wednesday	45523	43527	0	0	1300-2004	None	None
9/3/1998	Thursday	45523	44376	0	0	1328-1900	None	None
12/21/1998	Monday	32684	33664*	400	0	0720-1006	1006-1900	None

\* Actual Peak Demand includes the Interruptible Load.

\*\* Interruptible Load is approximate and based on information provided by the UDCs.

Stage 1 Emergency Notice is declared by the ISO any time it is clear that an Operating Reserve shortfall (less than MORC minimum) is unavoidable or, when in real-time operations, the Operating Reserve is forecast to be less than minimum after utilizing available resources.

Stage 2 Emergency Notice is declared by the ISO any time it is clear that an Operating Reserve shortfall (less than 5%) is unavoidable or, when in real-time operations, the Operating Reserve is forecast to be less than 5% after dispatching all resources available.

Stage 3 Emergency Notice is declared by the ISO any time it is clear that an Operating Reserve shortfall (less than 1 1/2%) is unavoidable or when in real-time operations, the Operating Reserve is forecast to be less than 1 1/2% after dispatching all resources available.

AWE Grid History Report

Declared No Touch, Alert, Warning and Power Watch Days for 1998 Through 2000

No Touch

1998	1999	2000
27-Jul	12-Jul	1-Jan
24-Aug	13-Jul	2-Jan
25-Aug	14-Jul	3-Jan
1-Sep	23-Aug	4-Jan
2-Sep	24-Aug	5-Jan
3-Sep	25-Aug	21-May
4-Sep	26-Aug	22-May
7-Sep	27-Aug	23-May
<b>9</b>	28-Sep	13-Jun
	28-Oct	14-Jun
	30-Dec	15-Jun
	31-Dec	16-Jun
	<b>12</b>	22-Jun
		26-Jun
		27-Jun
		28-Jun
		29-Jun
		19-Jul
		20-Jul
		24-Jul
		25-Jul
		31-Jul
		1-Aug
		2-Aug
		4-Aug
		5-Aug
		6-Aug
		7-Aug
		11-Aug
		12-Aug

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Alert

1998	1999	2000
30-May	12-Jul	22-May
26-Jul	1-Oct	23-May
27-Jul	<b>2</b>	13-Jun
24-Aug		14-Jun
2-Sep		15-Jun
3-Sep		27-Jun
4-Sep		28-Jun
<b>7</b>		29-Jun
		19-Jul
		20-Jul
		24-Jul
		25-Jul
		31-Jul
		1-Aug
		2-Aug
		3-Aug
		4-Aug
		6-Aug
		7-Aug
		14-Aug
		16-Aug
		17-Aug
		18-Aug
		14-Sep
		15-Sep
		18-Sep
		19-Sep
		20-Sep
		15-Nov
		16-Nov
		17-Nov

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Warning

1998	1999	2000
27-Jul	12-Jul	22-May
28-Jul	25-Aug	23-May
23-Aug	26-Aug	13-Jun
24-Aug	27-Aug	14-Jun
1-Sep	30-Sep	15-Jun
2-Sep	28-Oct	21-Jun
3-Sep	<b>6</b>	26-Jun
4-Sep		27-Jun
<b>8</b>		28-Jun
		29-Jun
		18-Jul
		19-Jul
		20-Jul
		24-Jul
		25-Jul
		28-Jul
		31-Jul
		1-Aug
		2-Aug
		3-Aug
		4-Aug
		5-Aug
		9-Aug
		10-Aug
		11-Aug
		14-Aug
		15-Aug
		16-Aug
		17-Aug
		18-Aug
		19-Aug

Power Watch

1998*	1999*	2000
N/A	N/A	22-May
		13-Jun
		14-Jun
		15-Jun
		27-Jun
		28-Jun
		29-Jun
		19-Jul
		24-Jul
		25-Jul
		31-Jul
		1-Aug
		2-Aug
		3-Aug
		14-Aug
		15-Aug
		16-Aug
		17-Aug
		18-Sep
		19-Sep
		<b>20</b>

\* Power Watch was implemented in 2000

AWE Grid History Report

Declared No Touch, Alert, Warning and Power Watch Days for 1998 Through 2000

No Touch			Alert			Warning			Power Watch		
1998	1999	2000	1998	1999	2000	1998	1999	2000	1998*	1999*	2000
		13-Aug			20-Nov			22-Aug			
		14-Aug			5-Dec			24-Aug			
		15-Aug			6-Dec			25-Aug			
		16-Aug			<b>34</b>			26-Aug			
		17-Aug						11-Sep			
		18-Aug						12-Sep			
		23-Aug						13-Sep			
		24-Aug						14-Sep			
		13-Sep						15-Sep			
		14-Sep						16-Sep			
		15-Sep						17-Sep			
		18-Sep						18-Sep			
		19-Sep						19-Sep			
		20-Sep						20-Sep			
		14-Nov						13-Nov			
		15-Nov						14-Nov			
		16-Nov						15-Nov			
		17-Nov						16-Nov			
		20-Nov						17-Nov			
		21-Nov						18-Nov			
		22-Nov						19-Nov			
		27-Nov						20-Nov			
		4-Dec						21-Nov			
		5-Dec						22-Nov			
		6-Dec						28-Nov			
		7-Dec						29-Nov			
		8-Dec						30-Nov			
		9-Dec						3-Dec			
		10-Dec						4-Dec			
		11-Dec						5-Dec			
		12-Dec						6-Dec			
		13-Dec						7-Dec			

\* Power Watch was implemented in 2000

AWE Grid History Report

Declared No Touch, Alert, Warning and Power Watch Days for 1998 Through 2000

No Touch			Alert			Warning			Power Watch		
1998	1999	2000	1998	1999	2000	1998	1999	2000	1998*	1999*	2000
		14-Dec						8-Dec			
		15-Dec						9-Dec			
		19-Dec						10-Dec			
		20-Dec						11-Dec			
		21-Dec						12-Dec			
		22-Dec						13-Dec			
		23-Dec						14-Dec			
		24-Dec						15-Dec			
		25-Dec						16-Dec			
		26-Dec						19-Dec			
		28-Dec						20-Dec			
		29-Dec						21-Dec			
		30-Dec						22-Dec			
		31-Dec						23-Dec			
		<b>77</b>						24-Dec			
								25-Dec			
								26-Dec			
								27-Dec			
								28-Dec			
								29-Dec			
								30-Dec			
								31-Dec			
								<b>85</b>			