



Summary of Alert, Warning, Emergency, and Flex Alert Notices
Issued from 1998 to Present

Year	Alert	Warning	Stage 1 Emergency	Stage 2 Emergency	Stage 3 Emergency	Flex Alerts
1998	7	8	7	5	0	N/A
1999	2	6	4	1	0	N/A
2000	34	85	55	36	1	20
2001	180	181	70	65	38	26
2002	3	4	2	1	0	1
2003	0	0	1	0	0	0
2004	1	2	1	0	0	6
2005	0	2	1	2	0	7
2006	1	5	3	1	0	18
2007	1	3	1	0	0	6
2008	0	1	0	0	0	3
2009	0	2	0	0	0	0
2010	0	1	0	0	0	0
2011	0	1	0	0	0	2
2012	0	0	0	0	0	2
2013	0	0	0	0	0	3
2014	0	1	0	0	0	1
2015	1	2	0	0	0	2
2016	0	0	0	0	0	3
2017	0	0	1	0	0	4
2018	0	0	0	0	0	2
Totals	230	304	146	111	39	104

Reference

Alerts: issued by 3 p.m. the day before anticipated operating reserve deficiencies. The ISO may require additional resources to avoid an emergency.

Warnings: indicate that grid operators anticipate using electricity reserves. Activates demand response programs (voluntary load reduction) to decrease overall demand.

Stage 1 Emergency: is declared by the ISO Contingency Reserve shortfalls exist or are forecast to occur. Strong need for conservation.

Stage 2 Emergency: is declared by the ISO when all mitigating actions have been

taken and the ISO is no longer able to provide for its expected energy requirements
Requires ISO intervention in the market, such as ordering power plants online.

Stage 3 Emergency: is declared by the ISO when unable to meet minimum contingency reserve requirements, and load interruption is imminent or in progress. Notice issued to utilities of potential electricity interruptions through firm load shedding.

Flex Alerts: are a call to consumers to voluntarily conserve energy when demand for power could outstrip supply. This generally occurs during heatwaves when electrical demand is high. The ISO can declare a Flex Alert whenever there is expected stress on the system. Visit <http://flexalert.org/> for more information on Flex Alerts, how to conserve energy, and to sign up for notifications.

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