



A  Sempra Energy utility<sup>®</sup>

# **ELECTRIC SYSTEM RELIABILITY ANNUAL REPORT**

**2009**



**Prepared for  
California Public Utilities Commission**

**February 24, 2010**

## EXECUTIVE SUMMARY

This Electric System Reliability Annual Report for 2009 has been prepared in response to CPUC Decision 96-09-045. This Decision established additional reliability recording, calculation, and reporting requirements for SDG&E.

The data in this report is presented in tabular form. All statistics and calculations include forced transmission, substation, and distribution outages, and exclude planned outages. Forced outages are those that are not prearranged. For the purposes of this report, sustained outages are those outages that lasted 5 minutes or more in duration, while momentary outages are those outages that lasted less than 5 minutes in duration.

The reliability indicators that are tracked are as follows:

1. SAIDI (System Average Interruption Duration Index) - minutes of sustained outages per customer per year.
2. SAIFI (System Average Interruption Frequency Index) - number of sustained outages per customer per year.
3. MAIFI (Momentary Average Interruption Frequency Index) - number of momentary outages per customer per year.
4. SAIDET\* (System Average Interruption Duration Index Exceeding Threshold) - minutes of sustained outages per customer per year exceeding a defined annual threshold of 150 minutes.
5. ERT\* (Estimated Restoration Time) - sum of the weighted accuracy of each outage divided by the number of customers who experienced an outage. Weighted accuracy is determined by using the time in play and number of customers who received accurate estimates.

The measurement of each reliability performance indicator excludes CPUC major events and events that are the direct result of failures in the ISO-controlled bulk power market, or non-SDG&E owned transmission and distribution facilities. A Major Event is defined in CPUC Decision 96-09-045 as an event that meets at least one of the following criteria:

- (a) The event is caused by earthquake, fire, or storms of sufficient intensity to give rise to a state of emergency being declared by the government, or
- (b) Any other disaster not in (a) that affects more than 15% of the system facilities or 10% of the utility's customers, whichever is less for each event.

\* Introduced as new reliability indices in 2008 as a result of SDGE's General Rate Case Application: (A) 06-12-009 and resulting decision (D) 08-07-046

A summary of 2009 performance is as follows:

CRITERIA	SAIDI	SAIFI	MAIFI	SAIDET	ERT
Including CPUC Major Events (2009)	67.06	0.542	0.380	–	–
Excluding CPUC Major Events (2009)	66.01	0.538	0.380	34.17	53%
10-Year Average (2000-2009) Including CPUC Major Events	101.81	0.661	0.613	–	–
10-Year Average (2000-2009) Excluding CPUC Major Events	62.43	0.612	0.642	–	–

The CPUC Major Events that were declared in 2009 are shown in the following table. Restricted access by a governmental agency that precludes or otherwise delays outage restoration times are considered CPUC Major Events and excluded from reliability results.

Month/Day	SAIDI	SAIFI	Sustained Customer Impact	MAIFI	Momentary Customer Impact	Event Cause(s)
May 4	-	-	-	0.000	4	Non-SDG&E Facility; SCE Outage
August 20	1.05	0.004	5,031	-	-	Motor Vehicle Contact; Law Enforcement Restricted Access
October 20	0.01	0.000	110	-	-	Brush Fire; Fire Dept Request to De-energize
October 25	0.00	0.000	1	-	-	Motor Vehicle Fatality; SDPD Request to De-energize

In 2009, no customers within SDG&E's service territory experienced more than one, 5 minute or longer, outage per month on a rolling annual average basis, after exclusion of CPUC Major Events.

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**HISTORICAL SYSTEM RELIABILITY DATA**

Year	All Forced Interruptions Included			CPUC Major Events Excluded				
	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	No. of Events	Event Cause(s)
2000	51.93	0.568	0.752	51.93	0.568	0.752	0	None
2001	68.57	0.870	0.865	52.87	0.636	0.858	7	Fires (2), Load Curtailment (4), and Interruptions Due to Non-SDG&E Facilities (1)
2002	82.68	0.813	0.606	77.35	0.807	0.604	4	Fires (2), Interruptions Due to Non-SDG&E Facilities (2)
2003	298.45	0.860	0.869	76.14	0.717	0.845	2	Firestorm 2003 (1), Wind Storm Affecting >15% of Facilities (1)
2004	93.19	0.672	0.614	78.75	0.615	0.610	5	Fires (3), Interruptions Due to Non-SDG&E Facilities (1), December Storm (1)
2005	61.99	0.637	0.602	58.46	0.567	0.568	10	Fires (4), Interruptions Due to Non-SDG&E Facilities (4), Storms (2)
2006	52.83	0.545	0.494	52.65	0.541	0.494	9	Fires (6), Interruptions Due to Non-SDG&E Facilities (3)
2007	182.17	0.590	0.572	52.00	0.481	0.527	8	State of Emergency Declared (2), Interruptions Due to Non-SDG&E Facilities (2), Load Curtailment (1), Request to De-energize/ Restricted Access (3)
2008	59.17	0.517	0.380	58.92	0.515	0.378	9	Fires (2), Request to De-energize/ Restricted Access (7)
2009	67.06	0.542	0.380	66.01	0.538	0.380	4	Fires (1), Interruptions Due to Non-SDG&E Facilities (1), Request to De-energize/ Restricted Access (2)

**TEN LARGEST OUTAGE EVENTS IN 2009\***

Rank	Date	Description	SAIDI Impact	SAIFI Impact	CPUC Major Event?	Total Number of Customers Affected	Longest Customer Interruption (minutes)	Number of People Used to Restore Service
1	December 7 - 10	December Storm	11.68	0.045	No	61,783	3,624	Not Available
2	December 13 - 14	Overhead Equipment Failure	4.49	0.016	No	21,956	1,099	Not Available
3	August 20 - 21	Vehicle Contact	1.05	0.004	Yes	5,031	970	Not Available
4	June 3 - 4	Lightning Storm	0.97	0.006	No	7,909	1,204	Not Available
5	February 9 - 10	Heavy Rain and Snow Storm	0.86	0.009	No	12,304	1,686	Not Available
6	December 7 -8	Underground Equipment Failure	0.60	0.003	No	3,889	1,082	Not Available
7	November 18 - 19	Faulted Cable	0.53	0.003	No	4,322	950	Not Available
8	November 28 - 29	Heavy Rain Storm	0.50	0.006	No	8,779	756	Not Available
9	November 23 - 24	Underground Equipment Failure	0.48	0.003	No	4,045	544	Not Available
10	November 9 -10	Heavy Equipment Dig-In	0.47	0.005	No	7,458	1,167	Not Available

\*Based on SAIDI impact.

**TEN LARGEST OUTAGE EVENTS IN 2008\***

Rank	Date	Description	SAIDI Impact	SAIFI Impact	CPUC Major Event?	Total Number of Customers Affected	Longest Customer Interruption (minutes)	Number of People Used to Restore Service
1	December 17 - 22	Heavy Rain and Snow Storm throughout Service Territory, Part II	3.51	0.010	No	13,113	6,783	Not Available
2	January 5 - 8	Rain & Lightning Storm throughout Service Territory	1.33	0.011	No	15,438	1,731	Not Available
3	December 15	Heavy Rain and Snow Storm throughout Service Territory, Part I	1.02	0.006	No	8,421	421	Not Available
4	May 31	C138 & HC3 Tree Contact (also affecting C139 & 4kVs)	0.92	0.003	No	3,735	746	Not Available
5	October 19	C213 - Damaged Underground Cable	0.91	0.001	No	2,035	942	Not Available
6	June 22 - 23	C990 - Faulted Terminator	0.67	0.002	No	2,198	870	Not Available
7	April 8 - 9	C486 - Motor Vehicle Contact, Terminator and Cable Replaced	0.61	0.003	No	4,708	910	Not Available
8	December 25 - 26	C286 & EN2 - Multiple Circuits affected during Restoration	0.58	0.004	No	5,364	601	Not Available
9	May 23	C159 - Pothead Failure	0.56	0.002	No	3,178	298	Not Available
10	September 24	Bank 20 Bad Relay affecting circuits WA3, WA4, WA5 and WA6	0.56	0.004	No	6,128	178	Not Available

\*Based on SAIDI impact.



**TEN LARGEST OUTAGE EVENTS IN 2007\***

Rank	Date	Description	SAIDI Impact	SAIFI Impact	CPUC Major Event?	Total Number of Customers Affected	Longest Customer Interruption (minutes)	Number of People Used to Restore Service
1	October 21 - November 24	Firestorm 2007 - Declaration of State of Emergency	128.42	0.055	Yes	74,088	40,453	Not Available
2	September 1 - 4	HEATWAVE 2007 (Labor Day Weekend)	1.59	0.010	No	13,662	833	Not Available
3	October 22	ISO Request - Load Curtailment during Firestorm 2007	1.18	0.051	Yes	68,826	34	Not Available
4	June 04	Laguna Niguel Outages - Faulted CB impacted Bus	1.15	0.016	No	21,425	254	Not Available
5	August 30	TL 629 & TL 6946 Lightning Contact on Swi 629-8	1.09	0.003	No	4,117	359	Not Available
6	July 28	Circuit 582 Underground Cable Failure	1.01	0.002	No	2,761	606	Not Available
7	October 11	Paradise Substation Bank 42 Lightning Arrestor Failure	0.80	0.017	No	23,121	85	Not Available
8	September 15 - 17	Circuit 221 Pine Valley Fire	0.77	0.000	No	585	2,942	Not Available
9	January 12 - 13	Circuits WA3, WA4, and UP1 Downed Overhead Conductor	0.66	0.003	No	4,052	347	Not Available
10	December 25 - 26	Circuit EOS2 - Connector Failure	0.57	0.001	No	1,349	614	Not Available

\*Based on SAIDI impact.

\*\*The information for the largest event was inadvertently under reported in the 2007 annual report and has since been corrected above. This had no impact on the filed SAIDI, SAIFI, and MAIFI impacts when excluding CPUC events.

**TEN LARGEST OUTAGE EVENTS IN 2006\***

Rank	Date	Description	SAIDI Impact	SAIFI Impact	CPUC Major Event?	Total Number of Customers Affected	Longest Customer Interruption (minutes)	Number of People Used to Restore Service
1	July 22 - 23**	Heat Storm	2.89	0.020	No	26,477	1,280	Not Available
2	March 10 - 14	Storm / Winds	1.98	0.003	No	4,501	4,160	Not Available
3	July 21	TL 685 - Misoperation of a Relay (7 Substations)	1.84	0.033	No	45,007	55	Not Available
4	July 15 - 17	Lighting/ Heat Storm	1.03	0.009	No	12,048	869	Not Available
5	January 2 - 3	Storm / Winds	0.68	0.011	No	15,329	811	Not Available
6	June 15	Circuits 416 and 76 Private Motor Vehicle Contact	0.60	0.002	No	3,124	644	Not Available
7	September 6 - 7	Circuits 509 and 506 Private Motor Vehicle Contact	0.53	0.002	No	2,908	946	Not Available
8	May 23	Circuit 592 Damaged Connector Failure	0.49	0.002	No	3,246	397	Not Available
9	May 26	Circuit 1077 Private Motor Vehicle Contact	0.42	0.002	No	2,158	636	Not Available
10	July 31 - August 1	Circuit WY1 - Vegetation Contact	0.42	0.001	No	1,070	1,058	Not Available

\* Based on SAIDI impact.

\*\* Includes outages initiated on July 23<sup>rd</sup> and restored on July 24<sup>th</sup>.

**TEN LARGEST OUTAGE EVENTS IN 2005\***

Rank	Date	Description	SAIDI Impact	SAIFI Impact	CPUC Major Event?	Total Number of Customers Affected	Longest Customer Interruption (minutes)	Number of People Used to Restore Service
1	September 19	September Storm	2.78	0.015	No	19,399	1,447	Not Available
2	July 28	Laguna Niguel Transmission Event	1.57	0.028	No	37,267	72	Not Available
3	August 25	Poway, Escondido, Cannon Sub - Load Curtailment	1.36	0.039	Yes	51,411	51	Not Available
4	February 18	February Storms	1.35	0.024	Yes	31,885	2,495	Not Available
5	July 23	Lightning Storm July	1.20	0.013	No	17,309	1,450	Not Available
6	October 6	Damaged OH Switch	0.89	0.004	No	5,226	468	Not Available
7	April 22	Poway Sub	0.89	0.008	No	10,896	108	Not Available
8	February 22	Vehicle Contact	0.82	0.003	No	4,143	310	Not Available
9	February 2	Feb 2nd storm	0.77	0.005	No	6,361	904	Not Available
10	January 3	January Storms	0.75	0.005	Yes	7,156	2,146	Not Available

\*Based on SAIDI impact.

**TEN LARGEST OUTAGE EVENTS IN 2004\***

Rank	Date	Description	SAIDI Impact	SAIFI Impact	CPUC Major Event?	Total Number of Customers Affected	Longest Customer Interruption (minutes)	Number of People Used to Restore Service
1	Dec. 28 - 31	December 2004 Storm	14.41	0.056	Yes	74,000	2,074	Not Available
2	Dec. 1	Substation - Equipment Failure	2.88	0.017	No	22,716	393	Not Available
3	Jun. 12	Substation - Animal Contact	2.16	0.011	No	14,708	204	Not Available
4	Jan. 23 - 24	Conductor Failure	1.88	0.003	No	3,951	625	Not Available
5	Sep. 30 - Oct. 1	Private Vehicle Contact	1.51	0.003	No	4,322	459	Not Available
6	Oct. 17 - 21	Storm / Winds	1.24	0.013	No	16,833	1,026	Not Available
7	Dec. 5	Private Vehicle Contact	1.14	0.005	No	6,292	276	Not Available
8	Dec. 5	Connector Failure	1.10	0.004	No	5,824	502	Not Available
9	Nov. 10	Transmission Equipment Failure	0.82	0.004	No	5,095	414	Not Available
10	Dec. 5 - 6	Storm / Winds	0.78	0.001	No	1,265	808	Not Available

\*Based on SAIDI impact.

**TEN LARGEST OUTAGE EVENTS IN 2003\***

Rank	Date	Description	SAIDI Impact	SAIFI Impact	CPUC Major Event?	Total Number of Customers Affected	Longest Customer Interruption (minutes)	Number of People Used to Restore Service
1	Oct. 26 - Nov. 25	Firestorm 2003	193.33	0.071	Yes	91,443	43,032	Not Available
2	Jan. 6 - 8	Storm / Winds	28.98	0.072	Yes	92,715	2,548	Not Available
3	Oct. 27 - 28	Substation - Animal Contact	3.10	0.017	No	22,285	227	Not Available
4	Dec. 25 - 26	Storm / Winds	3.00	0.017	No	21,611	1,303	Not Available
5	May 14 - 15	Transmission Line - Heavy Equipment Contact (Crane)	1.47	0.002	No	2,900	1,832	Not Available
6	Mar. 28 - 30	Storm / Winds	1.25	0.003	No	3,767	1,440	Not Available
7	Sep. 2 - 3	Storm / Winds	1.06	0.014	No	18,025	678	Not Available
8	Oct. 5 - 6	Underground Cable Failure	0.97	0.004	No	5,255	841	Not Available
9	Jan. 12	Substation - Animal Contact	0.97	0.014	No	17,990	73	Not Available
10	Sep. 19 - 20	Underground Cable Failure	0.88	0.004	No	5,334	1,010	Not Available

\*Based on SAIDI impact.

**TEN LARGEST OUTAGE EVENTS IN 2002\***

Rank	Date	Description	SAIDI Impact	SAIFI Impact	CPUC Major Event?	Total Number of Customers Affected	Longest Customer Interruption (minutes)	Number of People Used to Restore Service
1	Feb. 27	Accidental Trip of Circuit Breaker	6.00	0.173	No	219,522	62	Not Available
2	Feb. 9 - 11	Storm / Winds	3.41	0.023	No	28,987	1,587	Not Available
3	Feb. 10 - 13	Fallbrook (Gavilan) Fire - Request by CDF	2.99	0.003	Yes	3,732	4,107	Not Available
4	Aug. 31 - Sep. 3	Storm / Heat	2.94	0.023	No	28,836	775	Not Available
5	July 29 - Aug. 12	Pines Wildland Fire - State of Emergency	2.34	0.003	Yes	3,498	10,227	Not Available
6	Nov. 25 - 30	Storm / Winds	2.16	0.014	No	18,108	1,493	Not Available
7	Apr. 5	Circuit Breaker Failure	1.79	0.008	No	10,591	306	Not Available
8	Apr. 22 - 23	Crossarm Failure	1.35	0.004	No	5,219	603	Not Available
9	Dec. 16 - 18	Storm / Winds	1.23	0.008	No	10,078	1,106	Not Available
10	July 23 - 24	Switch Faulted / Mechanical	1.07	0.006	No	7,284	586	Not Available

\*Based on SAIDI impact.

**TEN LARGEST OUTAGE EVENTS IN 2001\***

Rank	Date	Description	SAIDI Impact	SAIFI Impact	CPUC	Total Number of Customers Affected	Longest Customer Interruption Duration	Number of People Used to Restore Service
1	March 19	Load curtailment - ISO request	10.91	0.153	Yes	191,146	164	Not Available
2	March 20	Load curtailment - ISO request	3.74	0.063	Yes	78,446	71	Not Available
3	July 17	Remedial Action Scheme inadvertently interrupted customers	1.21	0.121	No	150,959	40	Not Available
4	May 22	Substation - Animal contact	0.79	0.009	No	11,238	88	Not Available
5	January 11	Storm/winds	0.73	0.006	No	6,988	1,886	Not Available
6	February 13	Storm/winds	0.70	0.003	No	3,541	728	Not Available
7	April 07	Private vehicle contact	0.69	0.002	No	1,939	874	Not Available
8	May 29	Transmission Line - Bird contact	0.66	0.012	No	14,996	120	Not Available
9	May 08	Load curtailment - ISO request	0.64	0.012	Yes	14,730	81	Not Available
10	January 10	Underground cable failure	0.64	0.002	No	2,330	501	Not Available

\*Based on SAIDI impact.

**TEN LARGEST OUTAGE EVENTS IN 2000\***

Rank	Date	Description	SAIDI Impact	SAIFI Impact	CPUC Major Event?	Total Number of Customers Affected	Longest Customer Interruption (minutes)	Number of People Used to Restore Service
1	Sept. 7-8	Lightning/Storm	2.59	0.011	No	13,258	925	Not available
2	Aug. 29	Transmission poles down due to storm	2.33	0.004	No	4,363	1,301	Not available
3	Aug. 20	Underground cable failure	1.55	0.004	No	4,624	823	Not available
4	Oct. 30	Substation animal contact	1.36	0.009	No	11,240	149	Not available
5	Feb. 20-21	Storm/winds	1.13	0.012	No	15,092	648	Not available
6	Mar. 5	Storm/winds	0.72	0.007	No	8,593	393	Not available
7	Apr. 17	Storm/winds	0.69	0.007	No	8,769	690	Not available
8	Apr. 4	Circuit breaker faulted	0.69	0.017	No	20,544	41	Not available
9	Sept. 15	Underground cable failure	0.68	0.003	No	4,223	364	Not available
10	Oct. 5	Underground cable failure	0.68	0.002	No	2,798	558	Not available

\*Based on SAIDI impact.



**EXCLUDABLE CPUC MAJOR EVENT DETAILS FOR 2009**

**EXTRACTED FROM THE TEN LARGEST OUTAGE EVENTS**

Date of Outage	Description of Outage	Total Number of Customers Out of Service	Customers Interrupted - Hours Into the Event Day*											
			2	4	6	8	10	12	14	16	18			
August 20 - 21	Vehicle Contact	5,031	0	0	0	0	0	0	0	0	0	0	0	0
			Customers Interrupted - Hours Into the Event Day (continued)											
			20	22	24	26	28	30	32	34	36			
			0	5,031	2,958	1,102	1,102	1,102	1,102	1,102	1,102			
			Customers Interrupted - Hours Into the Event Day (continued)											
			38	40	42	44	46	48	50	52	54			
			1,102	0	0	0	0	0	0	0	0			

\*Customers reflected in the time increments include all customers experiencing outages at that point in time. The event day begins at midnight.

**EXCLUDABLE CPUC MAJOR EVENT DETAILS FOR 2008  
EXTRACTED FROM THE TEN LARGEST OUTAGE EVENTS**

There were no CPUC Major Events from 2008 to be extracted.

**EXCLUDABLE CPUC MAJOR EVENT DETAILS FOR 2007**

**EXTRACTED FROM THE TEN LARGEST OUTAGE EVENTS\*\***

Date of Outage	Description of Outage	Total Number of Customers Out of Service	Customers Interrupted - Hours Into the Event Day*								
			0	5	10	15	20	25	30	35	40
October 21 - November 24	Firestorm 2007 - Declaration of State of Emergency	74,088	0	0	994	5,847	1,439	4,016	26,645	25,770	23,560
			<b>Customers Interrupted - Hours Into the Event Day (continued)</b>								
			<b>45</b>	<b>50</b>	<b>55</b>	<b>60</b>	<b>65</b>	<b>70</b>	<b>75</b>	<b>80</b>	<b>85</b>
			21,810	21,651	16,940	21,349	17,522	18,435	17,213	17,263	20,582
			<b>Customers Interrupted - Hours Into the Event Day (continued)</b>								
			<b>90</b>	<b>95</b>	<b>100</b>	<b>105</b>	<b>110</b>	<b>115</b>	<b>120</b>	<b>125</b>	<b>130</b>
			18,341	17,699	17,699	17,927	17,503	14,693	14,012	13,117	13,064
			<b>Customers Interrupted - Hours Into the Event Day (continued)</b>								
			<b>135</b>	<b>140</b>	<b>145</b>	<b>150</b>	<b>155</b>	<b>160</b>	<b>165</b>	<b>170</b>	<b>175</b>
			11,787	10,935	9,682	8,676	8,640	7,881	6,755	6,503	7,801
			<b>Customers Interrupted - Hours Into the Event Day (continued)</b>								
			<b>180</b>	<b>185</b>	<b>190</b>	<b>195</b>	<b>200</b>	<b>205</b>	<b>210</b>	<b>215</b>	<b>220</b>
			6,582	5,670	4,791	4,786	5,154	4,700	4,702	4,104	4,104
			<b>Customers Interrupted - Hours Into the Event Day (continued)</b>								
			<b>225</b>	<b>230</b>	<b>235</b>	<b>240</b>	<b>245</b>	<b>250</b>	<b>255</b>	<b>260</b>	<b>265</b>
			4,111	4,105	3,010	2,862	2,862	2,862	3,455	3,568	2,911
			<b>Customers Interrupted - Hours Into the Event Day (continued)</b>								
			<b>270</b>	<b>275</b>	<b>280</b>	<b>285</b>	<b>290</b>	<b>295</b>	<b>300</b>	<b>305</b>	<b>310</b>
			2,725	2,986	3,008	2,303	2,303	2,358	2,277	3,211	1,946
			<b>Customers Interrupted - Hours Into the Event Day (continued)</b>								
<b>315</b>	<b>320</b>	<b>325</b>	<b>330</b>	<b>335</b>	<b>340</b>	<b>345</b>	<b>350</b>	<b>355</b>			
1,882	1,882	2,141	2,107	1,825	1,825	1,825	2,296	1,734			
<b>Customers Interrupted - Hours Into the Event Day (continued)</b>											
<b>360</b>	<b>365</b>	<b>370</b>	<b>375</b>	<b>380</b>	<b>385</b>	<b>390</b>	<b>395</b>	<b>400</b>			
1,540	1,540	2,657	1,472	1,506	1,211	2,292	1,255	1,985			

\*Customers reflected in the time increments include all customers experiencing outages at that point in time. The event day begins at midnight.

\*\*The total customer impact as well as customers out of service for hours 35, 45, and 50 were inadvertently incorrectly reported and have since been corrected. This had no impact on the filed SAIDI, SAIFI, and MAIFI impacts for Non-CPUC events.

**EXCLUDABLE CPUC MAJOR EVENT DETAILS FOR 2007**

**EXTRACTED FROM THE TEN LARGEST OUTAGE EVENTS\*\***

Date of Outage	Description of Outage	Total Number of Customers Out of Service	Customers Interrupted - Hours Into the Event Day (continued)								
			405	410	415	420	425	430	435	440	445
October 21 - November 24	Firestorm 2007 - Declaration of State of Emergency (Continued)	74,088	1,036	987	987	994	861	721	721	811	692
			Customers Interrupted - Hours Into the Event Day (continued)								
			450	455	460	465	470	475	480	485	490
			883	410	410	456	504	225	225	225	216
			Customers Interrupted - Hours Into the Event Day (continued)								
			495	500	505	510	515	520	525	530	535
			49	9	6	6	6	6	6	6	6
			Customers Interrupted - Hours Into the Event Day (continued)								
			540	545	550	555	560	565	570	575	580
			31	31	6	6	6	6	6	6	6
			Customers Interrupted - Hours Into the Event Day (continued)								
			585	590	595	600	605	610	615	620	625
			6	6	6	6	6	6	6	6	6
			Customers Interrupted - Hours Into the Event Day (continued)								
			630	635	640	645	650	655	660	665	670
			6	6	6	6	6	6	6	6	6
			Customers Interrupted - Hours Into the Event Day (continued)								
			675	680	685	690	695	700	705	710	715
			6	6	6	6	6	6	6	6	6
			Customers Interrupted - Hours Into the Event Day (continued)								
720	730	740	750	760	770	780	790	800			
0	0	0	0	0	0	0	0	0			
Customers Interrupted - Hours Into the Event Day (continued)											
810	815	820	825	830	835	840	845	850			
0	30	30	60	0	0	0	0	0			

\*Customers reflected in the time increments include all customers experiencing outages at that point in time. The event day begins at midnight.

\*\*The total customer impact as well as customers out of service for hours 35, 45, and 50 were inadvertently incorrectly reported and have since been corrected. This had no impact on the filed SAIDI, SAIFI, and MAIFI impacts for Non-CPUC events.

**EXCLUDABLE CPUC MAJOR EVENT DETAILS FOR 2007**

**EXTRACTED FROM THE TEN LARGEST OUTAGE EVENTS**

Date of Outage	Description of Outage	Total Number of Customers Out of Service	Customers Interrupted - Hours Into the Event Day*								
			2	4	6	8	10	12	14	16	18
October 22	ISO Request - Load Curtailment during Firestorm 2007	68,826	0	0	0	0	0	0	0	68,826	0
			Customers Interrupted - Hours Into the Event Day (continued)								
			20	22	24	26	28	30	32	34	36
			0	0	0	0	0	0	0	0	0

\*Customers reflected in the time increments include all customers experiencing outages at that point in time. The event day begins at midnight.

**EXCLUDABLE CPUC MAJOR EVENT DETAILS FOR 2006**

**EXTRACTED FROM THE TEN LARGEST OUTAGE EVENTS**

There were no CPUC Major Events from 2006 to be extracted.

**EXCLUDABLE CPUC MAJOR EVENT DETAILS FOR 2005**

**EXTRACTED FROM THE TEN LARGEST OUTAGE EVENTS\*\***

Date of Outage	Description of Outage	Total Number of Customers Out of Service	Customers Interrupted - Hours Into the Event Day*								
			2	4	6	8	10	12	14	16	18
January 3 - January 13	January Storms - Declaration of State of Emergency	7,156	0	0	0	0	0	25	68	43	123
			<b>Customers Interrupted - Hours Into the Event Day (continued)</b>								
			<b>20</b>	<b>38</b>	<b>40</b>	<b>42</b>	<b>44</b>	<b>110</b>	<b>112</b>	<b>114</b>	<b>116</b>
			25	194	183	176	25	1,075	1,762	110	55
			<b>Customers Interrupted - Hours Into the Event Day (continued)</b>								
			<b>118</b>	<b>120</b>	<b>130</b>	<b>132</b>	<b>134</b>	<b>136</b>	<b>166</b>	<b>168</b>	<b>170</b>
			0	55	55	55	55	12	55	70	70
			<b>Customers Interrupted - Hours Into the Event Day (continued)</b>								
			<b>172</b>	<b>174</b>	<b>176</b>	<b>178</b>	<b>180</b>	<b>182</b>	<b>184</b>	<b>186</b>	<b>194</b>
			0	110	820	0	0	0	0	55	25
			<b>Customers Interrupted - Hours Into the Event Day (continued)</b>								
			<b>196</b>	<b>198</b>	<b>200</b>	<b>202</b>	<b>204</b>	<b>206</b>	<b>208</b>	<b>210</b>	<b>212</b>
			1179	577	258	215	98	135	135	135	110
			<b>Customers Interrupted - Hours Into the Event Day (continued)</b>								
			<b>214</b>	<b>216</b>	<b>218</b>	<b>220</b>	<b>222</b>	<b>224</b>	<b>226</b>	<b>228</b>	<b>230</b>
			122	110	110	110	110	110	110	110	110
			<b>Customers Interrupted - Hours Into the Event Day (continued)</b>								
			<b>232</b>	<b>234</b>	<b>236</b>	<b>238</b>	<b>240</b>	<b>242</b>	<b>244</b>	<b>246</b>	<b>250</b>
110	110	110	110	110	0	0	0	0			

\*Customers reflected in the time increments include all customers experiencing outages at that point in time. The event day begins at midnight.

\*\*The customers interrupted were inadvertently reported in the incorrect time slot in 2005. This table has been corrected in 2007; the adjustment had no affect on the reported SAIDI and SAIFI impacts for these events.

**EXCLUDABLE CPUC MAJOR EVENT DETAILS FOR 2005**

**EXTRACTED FROM THE TEN LARGEST OUTAGE EVENTS\*\***

Date of Outage	Description of Outage	Total Number of Customers Out of Service	Customers Interrupted - Hours Into the Event Day*																		
			2	4	6	8	10	22	32	34	36										
February 18 - February 25	February Storms - Declaration of State of Emergency	31,885	0	0	155	52	226	25	36	1,506	608	<b>Customers Interrupted - Hours Into the Event Day (continued)</b>									
			<b>38</b>	<b>40</b>	<b>42</b>	<b>44</b>	<b>46</b>	<b>48</b>	<b>50</b>	<b>52</b>	<b>54</b>	204	188	1,008	31	31	31	19	19	129	
			<b>Customers Interrupted - Hours Into the Event Day (continued)</b>																		
			<b>56</b>	<b>58</b>	<b>60</b>	<b>62</b>	<b>64</b>	<b>66</b>	<b>68</b>	<b>70</b>	<b>72</b>	129	129	19	226	19	19	19	19	19	19
			<b>Customers Interrupted - Hours Into the Event Day (continued)</b>																		
			<b>74</b>	<b>76</b>	<b>78</b>	<b>80</b>	<b>82</b>	<b>84</b>	<b>86</b>	<b>88</b>	<b>90</b>	19	19	19	19	19	110	199	72	41	
			<b>Customers Interrupted - Hours Into the Event Day (continued)</b>																		
			<b>92</b>	<b>94</b>	<b>96</b>	<b>104</b>	<b>108</b>	<b>110</b>	<b>112</b>	<b>114</b>	<b>124</b>	8	63	1	25	8	8	62	62	5067	
			<b>Customers Interrupted - Hours Into the Event Day (continued)</b>																		
			<b>126</b>	<b>128</b>	<b>130</b>	<b>132</b>	<b>134</b>	<b>160</b>	<b>162</b>	<b>164</b>	<b>166</b>	191	690	577	19	1	84	358	860	540	
			<b>Customers Interrupted - Hours Into the Event Day (continued)</b>																		
			<b>168</b>	<b>170</b>	<b>172</b>	<b>174</b>	<b>176</b>	<b>178</b>	<b>180</b>	<b>182</b>	<b>184</b>	460	234	87	31	31	7	7	7	0	

\*Customers reflected in the time increments include all customers experiencing outages at that point in time. The event day begins at midnight.

\*\*The customers interrupted were inadvertently reported in the incorrect time slot in 2005. This table has been corrected in 2007; the adjustment had no affect on the reported SAIDI and SAIFI impacts for these events.



**EXCLUDABLE CPUC MAJOR EVENT DETAILS FOR 2005**

**EXTRACTED FROM THE TEN LARGEST OUTAGE EVENTS\*\***

Date of Outage	Description of Outage	Total Number of Customers Out of Service	Customers Interrupted - Hours Into the Event Day*									
			2	4	6	8	10	12	14	16	18	
August 25	ISO ordered mandatory load curtailment	51,411	0	0	0	0	0	0	0	0	51,411	0

\*Customers reflected in the time increments include all customers experiencing outages at that point in time. The event day begins at midnight.

\*\*The customers interrupted were inadvertently reported in the incorrect time slot in 2005. This table has been corrected in 2007; the adjustment had no affect on the reported SAIDI and SAIFI impacts for these events.

## EXCLUDABLE CPUC MAJOR EVENT DETAILS FOR 2004

### EXTRACTED FROM THE TEN LARGEST OUTAGE EVENTS

Date of Outage	Description of Outage	Total Number of Customers Out of Service	Customers Interrupted - Hours Into the Event Day*								
			2	4	6	8	10	12	14	16	18
December 28 - 31	December Storm - Declaration of State of Emergency	74,000	0	0	0	31	3,725	5	30	1,381	48,480
			<b>Customers Interrupted - Hours Into the Event Day (continued)</b>								
			<b>20</b>	<b>22</b>	<b>24</b>	<b>26</b>	<b>28</b>	<b>30</b>	<b>32</b>	<b>34</b>	<b>36</b>
			36,187	26,037	18,190	11,941	7,393	5,017	3,093	1,372	709
			<b>Customers Interrupted - Hours Into the Event Day (continued)</b>								
			<b>38</b>	<b>40</b>	<b>42</b>	<b>44</b>	<b>46</b>	<b>48</b>	<b>50</b>	<b>52</b>	<b>54</b>
			411	159	91	36	36	50	34	7	6
			<b>Customers Interrupted - Hours Into the Event Day (continued)</b>								
			<b>56</b>	<b>58</b>	<b>60</b>	<b>62</b>	<b>64</b>	<b>66</b>	<b>68</b>	<b>70</b>	<b>72</b>
			6	110	0	0	0	0	0	0	0

\*Customers reflected in the time increments include all customers experiencing outages at that point in time. The event day begins at midnight.

**EXCLUDABLE CPUC MAJOR EVENT DETAILS FOR 2003**

**EXTRACTED FROM THE TEN LARGEST OUTAGE EVENTS**

Date of Outage	Description of Outage	Total Number of Customers Out of Service	Customers Interrupted - Hours Into the Event Day*								
			2	4	6	8	10	12	14	16	18
January 6 - 8	January Storm - >15% of System Facilities Affected	92,715	0	165	2,374	3,500	5,231	4,985	2,916	4,272	33
			<b>Customers Interrupted - Hours Into the Event Day (continued)</b>								
			<b>20</b>	<b>22</b>	<b>24</b>	<b>26</b>	<b>28</b>	<b>30</b>	<b>32</b>	<b>34</b>	<b>36</b>
			2,908	2,875	299	8,799	42,386	62,337	44,408	34,801	29,472
			<b>Customers Interrupted - Hours Into the Event Day (continued)</b>								
			<b>38</b>	<b>40</b>	<b>42</b>	<b>44</b>	<b>46</b>	<b>48</b>	<b>50</b>	<b>52</b>	<b>54</b>
			23,942	18,661	7,533	4,709	3,687	3,391	2,489	1,563	1,077
			<b>Customers Interrupted - Hours Into the Event Day (continued)</b>								
			<b>56</b>	<b>58</b>	<b>60</b>	<b>62</b>	<b>64</b>	<b>66</b>	<b>68</b>	<b>70</b>	<b>72</b>
			1,021	648	581	92	94	69	69	37	37
			<b>Customers Interrupted - Hours Into the Event Day (continued)</b>								
			<b>74</b>	<b>76</b>	<b>78</b>	<b>80</b>	<b>82</b>	<b>84</b>	<b>86</b>	<b>88</b>	<b>90</b>
			25	25	0	0	0	0	0	0	0

\*Customers reflected in the time increments include all customers experiencing outages at that point in time. The event day begins at midnight.

**EXCLUDABLE CPUC MAJOR EVENT DETAILS FOR 2003**

**EXTRACTED FROM THE TEN LARGEST OUTAGE EVENTS**

Date of Outage	Description of Outage	Total Number of Customers Out of Service	Customers Interrupted - Hours Into the Event Day*								
			0	5	10	15	20	25	30	35	40
October 26 - November 25	Firestorm 2003 - Declaration of State of Emergency	91,443	0	697	12,087	25,599	33,856	33,575	35,317	43,272	44,623
			<b>Customers Interrupted - Hours Into the Event Day (continued)</b>								
			<b>45</b>	<b>50</b>	<b>55</b>	<b>60</b>	<b>65</b>	<b>70</b>	<b>75</b>	<b>80</b>	<b>85</b>
			43,523	38,774	28,412	26,932	24,552	24,157	21,108	20,628	17,709
			<b>Customers Interrupted - Hours Into the Event Day (continued)</b>								
			<b>90</b>	<b>95</b>	<b>100</b>	<b>105</b>	<b>110</b>	<b>115</b>	<b>120</b>	<b>125</b>	<b>130</b>
			16,330	17,074	17,074	16,013	14,356	12,195	11,878	11,878	11,878
			<b>Customers Interrupted - Hours Into the Event Day (continued)</b>								
			<b>135</b>	<b>140</b>	<b>145</b>	<b>150</b>	<b>155</b>	<b>160</b>	<b>165</b>	<b>170</b>	<b>175</b>
			11,214	6,643	1,050	833	813	379	635	820	820
			<b>Customers Interrupted - Hours Into the Event Day (continued)</b>								
			<b>180</b>	<b>185</b>	<b>190</b>	<b>195</b>	<b>200</b>	<b>205</b>	<b>210</b>	<b>215</b>	<b>220</b>
			820	820	777	777	777	635	2,357	2,563	2,563
			<b>Customers Interrupted - Hours Into the Event Day (continued)</b>								
			<b>225</b>	<b>230</b>	<b>235</b>	<b>240</b>	<b>245</b>	<b>250</b>	<b>255</b>	<b>260</b>	<b>265</b>
			2,563	2,835	2,149	2,149	2,149	1,166	1,089	890	873
			<b>Customers Interrupted - Hours Into the Event Day (continued)</b>								
			<b>270</b>	<b>275</b>	<b>280</b>	<b>285</b>	<b>290</b>	<b>295</b>	<b>300</b>	<b>305</b>	<b>310</b>
			849	827	867	948	948	948	795	738	566
			<b>Customers Interrupted - Hours Into the Event Day (continued)</b>								
<b>315</b>	<b>320</b>	<b>325</b>	<b>330</b>	<b>335</b>	<b>340</b>	<b>345</b>	<b>350</b>	<b>355</b>			
535	535	432	432	432	432	432	324	312			
<b>Customers Interrupted - Hours Into the Event Day (continued)</b>											
<b>360</b>	<b>365</b>	<b>370</b>	<b>375</b>	<b>380</b>	<b>385</b>	<b>390</b>	<b>395</b>	<b>400</b>			
312	312	312	82	68	68	68	51	52			

\*Customers reflected in the time increments include all customers experiencing outages at that point in time. The event day begins at midnight.

**EXCLUDABLE CPUC MAJOR EVENT DETAILS FOR 2003**

**EXTRACTED FROM THE TEN LARGEST OUTAGE EVENTS**

Date of Outage	Description of Outage	Total Number of Customers Out of Service	Customers Interrupted - Hours Into the Event Day (continued)								
			405	410	415	420	425	430	435	440	445
October 26 - November 25	Firestorm 2003 - Declaration of State of Emergency (continued)	91,443	49	49	49	49	49	49	49	49	49
			Customers Interrupted - Hours Into the Event Day (continued)								
			49	49	49	49	48	48	48	48	48
			Customers Interrupted - Hours Into the Event Day (continued)								
			48	48	48	48	48	48	48	48	48
			Customers Interrupted - Hours Into the Event Day (continued)								
			47	47	47	47	47	47	47	47	47
			Customers Interrupted - Hours Into the Event Day (continued)								
			48	40	40	40	40	40	40	40	40
			Customers Interrupted - Hours Into the Event Day (continued)								
			40	40	40	40	40	40	40	9	9
			Customers Interrupted - Hours Into the Event Day (continued)								
			9	9	9	9	9	9	9	9	9
			Customers Interrupted - Hours Into the Event Day (continued)								
			9	9	9	9	0	0	0	0	0

\*Customers reflected in the time increments include all customers experiencing outages at that point in time. The event day begins at midnight.

**EXCLUDABLE CPUC MAJOR EVENT DETAILS FOR 2002**

**EXTRACTED FROM THE TEN LARGEST OUTAGE EVENTS**

Date of Outage	Description of Outage	Total Number of Customers Out of Service	Customers Interrupted - Hours Into the Event Day*								
			2	4	6	8	10	12	14	16	18
February 10 - 13	Fallbrook (Gavilan) Fire - Request by CDF	3,732	0	0	0	0	0	0	2,083	3,732	2,592
			Customers Interrupted - Hours Into the Event Day (continued)								
			20	22	24	26	28	30	32	34	36
			2,083	1,008	1,008	1,008	1,008	1,008	1,008	1,008	1,008
			Customers Interrupted - Hours Into the Event Day (continued)								
			38	40	42	44	46	48	50	52	54
			871	871	871	762	762	762	762	762	762
			Customers Interrupted - Hours Into the Event Day (continued)								
			56	58	60	62	64	66	68	70	72
			762	762	762	762	762	728	728	728	728
			Customers Interrupted - Hours Into the Event Day (continued)								
			74	76	78	80	82	84	86	88	90
			19	19	19	19	0	0	0	0	0

\*Customers reflected in the time increments include all customers experiencing outages at that point in time. The event day begins at midnight.

**EXCLUDABLE CPUC MAJOR EVENT DETAILS FOR 2002**

**EXTRACTED FROM THE TEN LARGEST OUTAGE EVENTS**

Date of Outage	Description of Outage	Total Number of Customers Out of Service	Customers Interrupted - Hours Into the Event Day*								
			2	4	6	8	10	12	14	16	18
July 29 - August 12	Pines Wildland Fire - State of Emergency	3,498	0	0	0	0	0	0	0	3	3
			<b>Customers Interrupted - Hours Into the Event Day (continued)</b>								
			<b>20</b>	<b>22</b>	<b>24</b>	<b>26</b>	<b>28</b>	<b>30</b>	<b>32</b>	<b>34</b>	<b>36</b>
			338	338	338	338	338	338	338	338	866
			<b>Customers Interrupted - Hours Into the Event Day (continued)</b>								
			<b>38</b>	<b>40</b>	<b>42</b>	<b>44</b>	<b>46</b>	<b>48</b>	<b>50</b>	<b>52</b>	<b>54</b>
			794	794	338	338	338	338	338	338	338
			<b>Customers Interrupted - Hours Into the Event Day (continued)</b>								
			<b>56</b>	<b>58</b>	<b>60</b>	<b>62</b>	<b>64</b>	<b>66</b>	<b>68</b>	<b>70</b>	<b>72</b>
			338	338	338	338	338	338	338	338	338
			<b>Customers Interrupted - Hours Into the Event Day (continued)</b>								
			<b>74</b>	<b>76</b>	<b>78</b>	<b>80</b>	<b>82</b>	<b>84</b>	<b>86</b>	<b>88</b>	<b>90</b>
			338	338	338	338	338	338	338	338	3
			<b>Customers Interrupted - Hours Into the Event Day (continued)</b>								
			<b>92</b>	<b>94</b>	<b>96</b>	<b>98</b>	<b>100</b>	<b>102</b>	<b>104</b>	<b>106</b>	<b>108</b>
			3	3	3	3	3	3	3	0	0

\*Customers reflected in the time increments include all customers experiencing outages at that point in time. The event day begins at midnight.

**EXCLUDABLE CPUC MAJOR EVENT DETAILS FOR 2002**

**EXTRACTED FROM THE TEN LARGEST OUTAGE EVENTS**

Date of Outage	Description of Outage	Total Number of Customers Out of Service	Customers Interrupted - Hours Into the Event Day*									
			110	112	114	116	118	120	122	124	126	
July 29 - August 12	Pines Wildland Fire - State of Emergency	3,498	0	0	0	0	0	0	10	10	10	
			<b>Customers Interrupted - Hours Into the Event Day (continued)</b>									
			10	10	10	10	10	10	10	10	10	10
			<b>Customers Interrupted - Hours Into the Event Day (continued)</b>									
			10	10	10	10	10	10	10	10	10	10
			<b>Customers Interrupted - Hours Into the Event Day (continued)</b>									
			10	10	10	10	10	10	10	10	10	10
			<b>Customers Interrupted - Hours Into the Event Day (continued)</b>									
			10	10	10	258	258	258	258	258	258	258
			<b>Customers Interrupted - Hours Into the Event Day (continued)</b>									
			258	258	258	258	258	258	258	258	258	258
			<b>Customers Interrupted - Hours Into the Event Day (continued)</b>									
			258	258	258	258	258	258	258	258	258	258
			<b>Customers Interrupted - Hours Into the Event Day (continued)</b>									
			258	258	258	258	224	224	224	224	224	224

\*Customers reflected in the time increments include all customers experiencing outages at that point in time. The event day begins at midnight.



**EXCLUDABLE CPUC MAJOR EVENT DETAILS FOR 2002**

**EXTRACTED FROM THE TEN LARGEST OUTAGE EVENTS**

Date of Outage	Description of Outage	Total Number of Customers Out of Service	Customers Interrupted - Hours Into the Event Day (continued)															
			236	238	240	242	244	246	248	250	252							
July 29 - August 12	Pines Wildland Fire - State of Emergency	3,498	224	224	224	224	217	122	122	122	122							
			Customers Interrupted - Hours Into the Event Day (continued)							254	256	258	260	262	264	266	268	270
			122	122	122	122	122	122	122	122	122	122	122					
			Customers Interrupted - Hours Into the Event Day (continued)							272	274	276	278	280	282	284	286	288
			122	12	12	12	12	12	12	12	12	12	12					
			Customers Interrupted - Hours Into the Event Day (continued)							290	292	294	296	298	300	302	304	306
			0	0	0	0	0	0	0	0	0	0	0					
			Customers Interrupted - Hours Into the Event Day (continued)							308	310	312	314	316	318	320	322	324
			0	0	0	0	0	0	0	0	0	0	0					
			Customers Interrupted - Hours Into the Event Day (continued)							326	328	330	332	334	336	338	340	342
			0	0	0	0	0	0	0	0	0	0	0					
			Customers Interrupted - Hours Into the Event Day (continued)							344	346	348	350	352	354	356	358	360
			0	0	0	0	0	0	0	0	0	0	0					

\*Customers reflected in the time increments include all customers experiencing outages at that point in time. The event day begins at midnight.

**EXCLUDABLE CPUC MAJOR EVENT DETAILS FOR 2001**

**EXTRACTED FROM THE TEN LARGEST OUTAGE EVENTS**

Date of Outage	Description of Outage	Total Number of Customers Out of Service	Customers Interrupted - Hours Into the Event Day*									
			2	4	6	8	10	12	14	16	18	
Mar. 19	Load curtailment - ISO request	191,146	0	0	0	0	0	30,590	68,143	28,067	0	
			Customers Interrupted - Hours Into the Event Day (continued)									
			20	22	24	26	28	30	32	34	36	
			0	0	0	0	0	0	0	0	0	

\*Customers reflected in the time increments include all customers experiencing outages at that point in time. The event day begins at midnight.

Date of Outage	Description of Outage	Total Number of Customers Out of Service	Customers Interrupted - Hours Into the Event Day*									
			2	4	6	8	10	12	14	16	18	
Mar. 20	Load curtailment - ISO request	78,446	0	0	0	0	11,181	10,189	10,838	0	0	
			Customers Interrupted - Hours Into the Event Day (continued)									
			20	22	24	26	28	30	32	34	36	
			0	0	0	0	0	0	0	0	0	

\*Customers reflected in the time increments include all customers experiencing outages at that point in time. The event day begins at midnight.

**EXCLUDABLE CPUC MAJOR EVENT DETAILS FOR 2001**

**EXTRACTED FROM THE TEN LARGEST OUTAGE EVENTS**

Date of Outage	Description of Outage	Total Number of Customers Out of Service	Customers Interrupted - Hours Into the Event Day*								
			2	4	6	8	10	12	14	16	18
May 8	Load curtailment - ISO request	14,730	0	0	0	0	0	0	0	7,409	0
			Customers Interrupted - Hours Into the Event Day (continued)								
			20	22	24	26	28	30	32	34	36
			0	0	0	0	0	0	0	0	0

\*Customers reflected in the time increments include all customers experiencing outages at that point in time. The event day begins at midnight.

**EXCLUDABLE CPUC MAJOR EVENT DETAILS FOR 2000**

**EXTRACTED FROM THE TEN LARGEST OUTAGE EVENTS**

There were no CPUC Major Events from 2000 to be extracted.

**CUSTOMERS EXPERIENCING MORE THAN 12 SUSTAINED OUTAGES IN A ROLLING 12-MONTH PERIOD (EXCLUDING CPUC MAJOR EVENTS) FOR 2009**

<b>Month</b>	<b>District</b>	<b>Circuit</b>	<b>Number of Customers Experiencing &gt;12 Sustained Outages</b>
January	N/A	N/A	None
February	N/A	N/A	None
March	N/A	N/A	None
April	N/A	N/A	None
May	N/A	N/A	None
June	N/A	N/A	None
July	N/A	N/A	None
August	N/A	N/A	None
September	N/A	N/A	None
October	N/A	N/A	None
November	N/A	N/A	None
December	N/A	N/A	None

Data is based upon station outages as reported through SDG&E's Outage Management System.

**CUSTOMERS EXPERIENCING MORE THAN 12 SUSTAINED OUTAGES IN A ROLLING 12-MONTH PERIOD (EXCLUDING CPUC MAJOR EVENTS) FOR 2008**

<b>Month</b>	<b>District</b>	<b>Circuit</b>	<b>Number of Customers Experiencing &gt;12 Sustained Outages</b>
January	N/A	N/A	None
February	N/A	N/A	None
March	N/A	N/A	None
April	N/A	N/A	None
May	N/A	N/A	None
June	N/A	N/A	None
July	N/A	N/A	None
August	N/A	N/A	None
September	N/A	N/A	None
October	N/A	N/A	None
November	N/A	N/A	None
December	N/A	N/A	None

Data is based upon station outages as reported through SDG&E's Outage Management System.

**CUSTOMERS EXPERIENCING MORE THAN 12 SUSTAINED OUTAGES IN A ROLLING 12-MONTH PERIOD (EXCLUDING CPUC MAJOR EVENTS) FOR 2007**

<b>Month</b>	<b>District</b>	<b>Circuit</b>	<b>Number of Customers Experiencing &gt;12 Sustained Outages</b>
January	N/A	N/A	None
February	N/A	N/A	None
March	N/A	N/A	None
April	N/A	N/A	None
May	N/A	N/A	None
June	N/A	N/A	None
July	N/A	N/A	None
August	N/A	N/A	None
September	N/A	N/A	None
October	N/A	N/A	None
November	N/A	N/A	None
December	N/A	N/A	None

Data is based upon station outages as reported through SDG&E's Outage Management System.

**CUSTOMERS EXPERIENCING MORE THAN 12 SUSTAINED OUTAGES IN A ROLLING 12-MONTH PERIOD (EXCLUDING CPUC MAJOR EVENTS) FOR 2006**

Month	District	Circuit	Number of Customers Experiencing >12 Sustained Outages
January	N/A	N/A	None
February	N/A	N/A	None
March	N/A	N/A	None
April	N/A	N/A	None
May	N/A	N/A	None
June	N/A	N/A	None
July	N/A	N/A	None
August	N/A	N/A	None
September	N/A	N/A	None
October	N/A	N/A	None
November	N/A	N/A	None
December	N/A	N/A	None

Data is based upon station outages as reported through SDG&E's Outage Management System.



**CUSTOMERS EXPERIENCING MORE THAN 12 SUSTAINED OUTAGES IN A ROLLING 12-MONTH PERIOD (EXCLUDING CPUC MAJOR EVENTS) FOR 2005**

Month	District	Circuit	Number of Customers Experiencing >12 Sustained Outages
January	N/A	N/A	None
February	N/A	N/A	None
March	N/A	N/A	None
April	N/A	N/A	None
May	N/A	N/A	None
June	N/A	N/A	None
July	N/A	N/A	None
August	N/A	N/A	None
September	N/A	N/A	None
October	N/A	N/A	None
November	N/A	N/A	None
December	N/A	N/A	None

Data is based upon station outages as reported through SDG&E's Outage Management System.

**CUSTOMERS EXPERIENCING MORE THAN 12 SUSTAINED OUTAGES IN A ROLLING 12-MONTH PERIOD (EXCLUDING CPUC MAJOR EVENTS) FOR 2004**

<b>Month</b>	<b>District</b>	<b>Circuit</b>	<b>Number of Customers Experiencing &gt;12 Sustained Outages</b>
January	N/A	N/A	None
February	N/A	N/A	None
March	N/A	N/A	None
April	N/A	N/A	None
May	N/A	N/A	None
June	N/A	N/A	None
July	N/A	N/A	None
August	N/A	N/A	None
September	N/A	N/A	None
October	N/A	N/A	None
November	N/A	N/A	None
December	N/A	N/A	None

Data is based upon station outages as reported through SDG&E's Outage Management System.

**CUSTOMERS EXPERIENCING MORE THAN 12 SUSTAINED OUTAGES IN A ROLLING 12-MONTH PERIOD (EXCLUDING CPUC MAJOR EVENTS) FOR 2003**

Month	District	Circuit	Number of Customers Experiencing >12 Sustained Outages
January	Northeast	212	62
February	Northeast	212	60
March	Northeast	212	60
April	Northeast	212	60
May	Northeast	212	60
June	Northeast	212	60
July	Northeast	212	60
August	Northeast	212	62
September	Northeast	212	62
October	Northeast	212	60
November	Northeast	212	60
December	N/A	N/A	None

Data is based upon station outages as reported through SDG&E's Outage Management System.

**CUSTOMERS EXPERIENCING MORE THAN 12 SUSTAINED OUTAGES IN A ROLLING 12-MONTH PERIOD (EXCLUDING CPUC MAJOR EVENTS) FOR 2002**

Month	District	Circuit	Number of Customers Experiencing >12 Sustained Outages
January	N/A	N/A	None
February	N/A	N/A	None
March	N/A	N/A	None
April	N/A	N/A	None
May	N/A	N/A	None
June	N/A	N/A	None
July	N/A	N/A	None
August	N/A	N/A	None
September	N/A	N/A	None
October	N/A	N/A	None
November	N/A	N/A	None
December	N/A	N/A	None

Data is based upon station outages as reported through SDG&E's Outage Management System.

**CUSTOMERS EXPERIENCING MORE THAN 12 SUSTAINED OUTAGES IN A ROLLING 12-MONTH PERIOD (EXCLUDING CPUC MAJOR EVENTS) FOR 2001**

Month	District	Circuit	Number of Customers Experiencing >12 Sustained Outages
January	N/A	N/A	None
February	N/A	N/A	None
March	N/A	N/A	None
April	N/A	N/A	None
May	N/A	N/A	None
June	N/A	N/A	None
July	N/A	N/A	None
August	N/A	N/A	None
September	N/A	N/A	None
October	N/A	N/A	None
November	N/A	N/A	None
December	N/A	N/A	None

Data is based upon station outages as reported through SDG&E's Outage Management System.

**CUSTOMERS EXPERIENCING MORE THAN 12 SUSTAINED OUTAGES IN A ROLLING 12-MONTH PERIOD (EXCLUDING CPUC MAJOR EVENTS) FOR 2000**

Month	District	Circuit	Number of Customers Experiencing >12 Sustained Outages
January	N/A	N/A	None
February	N/A	N/A	None
March	N/A	N/A	None
April	N/A	N/A	None
May	N/A	N/A	None
June	N/A	N/A	None
July	N/A	N/A	None
August	N/A	N/A	None
September	N/A	N/A	None
October	N/A	N/A	None
November	N/A	N/A	None
December	N/A	N/A	None

Data is based upon station outages as reported through SDG&E's Outage Management System.