



A  Sempra Energy utility<sup>®</sup>

# **ELECTRIC SYSTEM RELIABILITY ANNUAL REPORT**

**2006**



**Prepared for  
California Public Utilities Commission**

**February 28, 2007**

## EXECUTIVE SUMMARY

This Electric System Reliability Annual Report for 2006 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.

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.

A summary of 2006 performance is as follows:

CRITERIA	SAIDI	SAIFI	MAIFI
Including CPUC Major Events (2006)	52.83	0.54	0.49
Excluding CPUC Major Events (2006)	52.65	0.54	0.49
10-Year Average (1997-2006) Including CPUC Major Events	95.59	0.75	0.81
10-Year Average (1997-2006) Excluding CPUC Major Events	69.41	0.70	0.80

The CPUC Major Events that were declared in 2006 are shown in the following table.

Month/Day	SAIDI	SAIFI	Sustained Customer Impact	MAIFI	Momentary Customer Impact	Reason for Outage
March 5	0.13	0.0029	3,920	-	-	C153 House Fire - Fire Dept Request to De-energize
July 14	0.01	0.0000	25	-	-	C442 Brush Fire - Fire Dept Request to De-energize
July 25	0.00	0.0000	5	-	-	C157 Brush Fire - Fire Dept Request to De-energize
August 5	0.01	0.0000	33	-	-	Outage to TM1 - Non-SDGE SCE Broken Pole
August 17	0.00	0.0000	25	-	-	C74 Brush Fire - Fire Dept Request to De-Energize
August 24	0.00	0.0000	33	-	-	C168 Structure Fire - Fire Dept Req to De-energize
August 31	0.00	0.0000	6	0.0000	6	Outage to C569 - Non-SDGE SCE Outage
October 27	0.04	0.0003	463	-	-	C517 Structure Fire - Fire Dept Request De-energize
November 27	0.00	0.0000	34	-	-	Outage to TM1 - Non-SDGE SCE Cable Dig In

In 2006, 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.

## TABLE OF CONTENTS

HISTORICAL SYSTEM RELIABILITY DATA.....	1
TEN LARGEST OUTAGE EVENTS IN 2006* .....	2
TEN LARGEST OUTAGE EVENTS IN 2005* .....	3
TEN LARGEST OUTAGE EVENTS IN 2004* .....	4
TEN LARGEST OUTAGE EVENTS IN 2003* .....	5
TEN LARGEST OUTAGE EVENTS IN 2002* .....	6
TEN LARGEST OUTAGE EVENTS IN 2001* .....	7
TEN LARGEST OUTAGE EVENTS IN 2000* .....	8
TEN LARGEST OUTAGE EVENTS IN 1999* .....	9
TEN LARGEST OUTAGE EVENTS IN 1998* .....	10
TEN LARGEST OUTAGE EVENTS IN 1997* .....	11
EXCLUDABLE CPUC MAJOR EVENT DETAILS FOR 2006 .....	12
EXCLUDABLE CPUC MAJOR EVENT DETAILS FOR 2005 .....	13
EXCLUDABLE CPUC MAJOR EVENT DETAILS FOR 2004 .....	16
EXCLUDABLE CPUC MAJOR EVENT DETAILS FOR 2003 .....	17
EXCLUDABLE CPUC MAJOR EVENT DETAILS FOR 2002 .....	20
EXCLUDABLE CPUC MAJOR EVENT DETAILS FOR 2001 .....	24
EXCLUDABLE CPUC MAJOR EVENT DETAILS FOR 1997 through 2000.....	26
CUSTOMERS EXPERIENCING MORE THAN 12 SUSTAINED OUTAGES IN A ROLLING 12-MONTH PERIOD (EXCLUDING CPUC MAJOR EVENTS) FOR 2006.....	27
CUSTOMERS EXPERIENCING MORE THAN 12 SUSTAINED OUTAGES IN A ROLLING 12-MONTH PERIOD (EXCLUDING CPUC MAJOR EVENTS) FOR 2005.....	28

CUSTOMERS EXPERIENCING MORE THAN 12 SUSTAINED OUTAGES IN A ROLLING 12-MONTH PERIOD (EXCLUDING CPUC MAJOR EVENTS) FOR 2004..... 29

CUSTOMERS EXPERIENCING MORE THAN 12 SUSTAINED OUTAGES IN A ROLLING 12-MONTH PERIOD (EXCLUDING CPUC MAJOR EVENTS) FOR 2003..... 30

CUSTOMERS EXPERIENCING MORE THAN 12 SUSTAINED OUTAGES IN A ROLLING 12-MONTH PERIOD (EXCLUDING CPUC MAJOR EVENTS) FOR 2002..... 31

CUSTOMERS EXPERIENCING MORE THAN 12 SUSTAINED OUTAGES IN A ROLLING 12-MONTH PERIOD (EXCLUDING CPUC MAJOR EVENTS) FOR 2001..... 32

CUSTOMERS EXPERIENCING MORE THAN 12 SUSTAINED OUTAGES IN A ROLLING 12-MONTH PERIOD (EXCLUDING CPUC MAJOR EVENTS) FOR 2000..... 33

CUSTOMERS EXPERIENCING MORE THAN 12 SUSTAINED OUTAGES IN A ROLLING 12-MONTH PERIOD (EXCLUDING CPUC MAJOR EVENTS) FOR 1999..... 34

CUSTOMERS EXPERIENCING MORE THAN 12 SUSTAINED OUTAGES IN A ROLLING 12-MONTH PERIOD (EXCLUDING CPUC MAJOR EVENTS) FOR 1998..... 35

CUSTOMERS EXPERIENCING MORE THAN 12 SUSTAINED OUTAGES IN A ROLLING 12-MONTH PERIOD (EXCLUDING CPUC MAJOR EVENTS) FOR 1997..... 36

**HISTORICAL SYSTEM RELIABILITY DATA**

Year	All Interruptions Included			CPUC Major Events Excluded				
	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	No. of Events	Event Cause(s)
1997	89.3	0.93	1.41	89.3	0.93	1.41	0	
1998	91.6	0.94	1.09	91.6	0.94	1.09	0	
1999	65.2	0.67	0.80	65.2	0.67	0.80	0	
2000	51.9	0.57	0.75	51.9	0.57	0.75	0	
2001	68.5	0.87	0.87	52.9	0.64	0.86	7	Fires (2), Load Curtailment (4), and Interruptions Due to Non-SDG&E Facilities (1)
2002	82.5	0.81	0.61	77.2	0.81	0.61	4	Fires (2), Interruptions Due to Non-SDG&E Facilities (2)
2003	298.9	0.86	0.87	76.1	0.72	0.84	2	Firestorm 2003 (1), Wind Storm Affecting >15% of Facilities (1)
2004	93.2	0.67	0.61	78.8	0.62	0.61	5	Fires (3), Interruptions Due to Non-SDG&E Facilities (1), December Storm (1)
2005	62.0	0.64	0.60	58.5	0.57	0.57	10	Fires (4), Interruptions Due to Non-SDG&E Facilities (4), Storms (2)
2006	52.8	0.54	0.49	52.6	0.54	0.49	9	Fires (6), Interruptions Due to Non-SDG&E Facilities (3)

**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.

\*\* Total Number of Customers Affected were inadvertently reported incorrectly in 2002. These values were updated in 2003; the adjustment had no affect on the reported SAIDI and SAIFI Impacts for these events.

**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.

**TEN LARGEST OUTAGE EVENTS IN 1999\***

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. 27	Circuit breaker failure	4.29	0.02	No	22,658	375	Not available
2	Aug. 6	Underground cable	1.71	0.01	No	6,965	822	Not available
3	Oct. 21	Animal contact	1.29	0.01	No	12,520	158	Not available
4	Jan. 29	Private vehicle contact	1.00	0.01	No	6,312	1,215	Not available
5	Apr. 1	Switch faulted/mechanical	0.96	0.01	No	6,402	304	Not available
6	Apr. 4	Capacitor failure	0.92	0.00	No	4,555	269	Not available
7	Apr. 6-7	Storm/winds	0.84	0.01	No	7,000	1,719	Not available
8	Jun. 12	Animal contact	0.75	0.00	No	5,642	163	Not available
9	Nov. 11	Relay malfunction	0.72	0.01	No	15,391	57	Not available
10	Sept. 26	Underground cable failure	0.69	0.00	No	2,800	365	Not available

\*Based on SAIDI impact.

**TEN LARGEST OUTAGE EVENTS IN 1998\***

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	Aug. 31-Sept. 1	Storm/lightning/winds/heat storm	6.29	0.02	No	28,987	1,577	Not available
2	Feb. 23-24	Storm/winds	4.63	0.04	No	51,540	1,297	Not available
3	Aug. 29-30	Heat Storm	3.69	0.03	No	35,526	889	Not available
4	Feb. 7-8	Storm/winds	3.10	0.02	No	22,680	946	Not available
5	Feb. 14-15	Storm/winds	2.69	0.03	No	35,851	1,025	Not available
6	Dec. 6	Storm/winds	2.59	0.03	No	31,208	966	Not available
7	Sept. 2-3	Storm/lightning/winds	2.10	0.02	No	24,793	1,172	Not available
8	Mar. 28-29	Storm/winds	2.09	0.01	No	17,450	1,557	Not available
9	Feb. 3-4	Storm/winds	1.36	0.02	No	22,303	456	Not available
10	Feb. 6	Storm/winds	1.25	0.02	No	18,443	1,512	Not available

\*Based on SAIDI impact.

**TEN LARGEST OUTAGE EVENTS IN 1997\***

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. 24-25	Storm/winds	5.75	0.06	No	67,036	4,413	Not available
2	Dec. 10	Storm/winds	4.23	0.03	No	31,909	773	Not available
3	Dec. 11	Storm/winds	2.91	0.03	No	35,698	814	Not available
4	Nov. 26	Storm/winds	2.85	0.02	No	27,486	1,224	Not available
5	Jan. 6-7	Storm/winds	2.77	0.04	No	42,307	803	Not available
6	Jan. 12-13	Storm/winds	2.04	0.01	No	17,033	1,134	Not available
7	Jan. 26	Storm/winds	1.99	0.03	No	29,612	589	Not available
8	Nov. 10	Storm/winds	1.67	0.03	No	34,685	765	Not available
9	July 6	Hardware failure - substation	1.54	0.02	No	18,948	508	Not available
10	Dec. 6	Storm/winds	1.07	0.01	No	14,310	656	Not available

\*Based on SAIDI impact.



**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	28	30	32	34
January 3	January Storms - Declaration of State	7,156	80	68	43	123	25	194	183	183	25
			<b>Customers Interrupted - Hours Into the Event Day (continued)</b>								
			<b>100</b>	<b>102</b>	<b>104</b>	<b>106</b>	<b>108</b>	<b>110</b>	<b>120</b>	<b>122</b>	<b>124</b>
			1,899	1,762	165	110	55	55	55	55	55
			<b>Customers Interrupted - Hours Into the Event Day (continued)</b>								
			<b>126</b>	<b>156</b>	<b>158</b>	<b>160</b>	<b>162</b>	<b>164</b>	<b>166</b>	<b>176</b>	<b>184</b>
			12	55	70	70	70	110	820	55	25
			<b>Customers Interrupted - Hours Into the Event Day (continued)</b>								
			<b>186</b>	<b>188</b>	<b>190</b>	<b>192</b>	<b>194</b>	<b>196</b>	<b>198</b>	<b>200</b>	<b>202</b>
			1179	577	258	215	211	208	135	135	110
			<b>Customers Interrupted - Hours Into the Event Day (continued)</b>								
			<b>204</b>	<b>206</b>	<b>208</b>	<b>210</b>	<b>212</b>	<b>214</b>	<b>216</b>	<b>218</b>	<b>220</b>
			122	110	110	110	110	110	110	110	110
			<b>Customers Interrupted - Hours Into the Event Day (continued)</b>								
			<b>222</b>	<b>224</b>	<b>226</b>	<b>228</b>	<b>230</b>	<b>232</b>	<b>234</b>	<b>236</b>	<b>238</b>
110	110	110	110	110	110	110	0	0			

**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	18	20	28	30	32	34
February 18	February Storms - Declaration of State of Emergency	31,885	155	2,117	575	25	25	36	1,506	608	295
			<b>Customers Interrupted - Hours Into the Event Day (continued)</b>								
			<b>36</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>
			204	1,032	37	31	31	19	19	129	239
			<b>Customers Interrupted - Hours Into the Event Day (continued)</b>								
			<b>54</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>
			129	19	226	19	19	19	19	19	19
			<b>Customers Interrupted - Hours Into the Event Day (continued)</b>								
			<b>72</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>
			19	19	19	19	110	199	78	72	41
			<b>Customers Interrupted - Hours Into the Event Day (continued)</b>								
			<b>90</b>	<b>92</b>	<b>94</b>	<b>100</b>	<b>104</b>	<b>106</b>	<b>108</b>	<b>110</b>	<b>112</b>
			63	63	1	25	8	8	152	62	62
			<b>Customers Interrupted - Hours Into the Event Day (continued)</b>								
			<b>120</b>	<b>122</b>	<b>124</b>	<b>126</b>	<b>128</b>	<b>130</b>	<b>156</b>	<b>158</b>	<b>160</b>
			5067	191	690	577	154	38	84	358	860
<b>Customers Interrupted - Hours Into the Event Day (continued)</b>											
<b>162</b>	<b>164</b>	<b>166</b>	<b>168</b>	<b>170</b>	<b>172</b>	<b>174</b>	<b>176</b>	<b>178</b>			
695	460	237	251	87	31	31	7	7			

\*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 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	51,411	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 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>								
			45	50	55	60	65	70	75	80	85
			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>								
			90	95	100	105	110	115	120	125	130
			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>								
			135	140	145	150	155	160	165	170	175
			11,214	6,643	1,050	833	813	379	635	820	820
			<b>Customers Interrupted - Hours Into the Event Day (continued)</b>								
			180	185	190	195	200	205	210	215	220
			820	820	777	777	777	635	2,357	2,563	2,563
			<b>Customers Interrupted - Hours Into the Event Day (continued)</b>								
			225	230	235	240	245	250	255	260	265
			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>								
			270	275	280	285	290	295	300	305	310
			849	827	867	948	948	948	795	738	566
			<b>Customers Interrupted - Hours Into the Event Day (continued)</b>								
315	320	325	330	335	340	345	350	355			
535	535	432	432	432	432	432	324	312			
<b>Customers Interrupted - Hours Into the Event Day (continued)</b>											
360	365	370	375	380	385	390	395	400			
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)								
			450	455	460	465	470	475	480	485	490
			49	49	49	49	48	48	48	48	48
			Customers Interrupted - Hours Into the Event Day (continued)								
			495	500	505	510	515	520	525	530	535
			48	48	48	48	48	48	48	48	48
			Customers Interrupted - Hours Into the Event Day (continued)								
			540	545	550	555	560	565	570	575	580
			47	47	47	47	47	47	47	47	47
			Customers Interrupted - Hours Into the Event Day (continued)								
			585	590	595	600	605	610	615	620	625
			48	40	40	40	40	40	40	40	40
			Customers Interrupted - Hours Into the Event Day (continued)								
			630	635	640	645	650	655	660	665	670
			40	40	40	40	40	40	40	9	9
			Customers Interrupted - Hours Into the Event Day (continued)								
			675	680	685	690	695	700	705	710	715
			9	9	9	9	9	9	9	9	9
			Customers Interrupted - Hours Into the Event Day (continued)								
720	725	730	735	740	745	750	755	760			
9	9	9	9	0	0	0	0	0			



**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
			<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>
			2,083	1,008	1,008	1,008	1,008	1,008	1,008	1,008	1,008
			<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>
			871	871	871	762	762	762	762	762	762
			<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>
			762	762	762	762	762	728	728	728	728
			<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	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>								
			<b>128</b>	<b>130</b>	<b>132</b>	<b>134</b>	<b>136</b>	<b>138</b>	<b>140</b>	<b>142</b>	<b>144</b>
			10	10	10	10	10	10	10	10	10
			<b>Customers Interrupted - Hours Into the Event Day (continued)</b>								
			<b>146</b>	<b>148</b>	<b>150</b>	<b>152</b>	<b>154</b>	<b>156</b>	<b>158</b>	<b>160</b>	<b>162</b>
			10	10	10	10	10	10	10	10	10
			<b>Customers Interrupted - Hours Into the Event Day (continued)</b>								
			<b>164</b>	<b>166</b>	<b>168</b>	<b>170</b>	<b>172</b>	<b>174</b>	<b>176</b>	<b>178</b>	<b>180</b>
			10	10	10	258	258	258	258	258	258
			<b>Customers Interrupted - Hours Into the Event Day (continued)</b>								
			<b>182</b>	<b>184</b>	<b>186</b>	<b>188</b>	<b>190</b>	<b>192</b>	<b>194</b>	<b>196</b>	<b>198</b>
			258	258	258	258	258	258	258	258	258
			<b>Customers Interrupted - Hours Into the Event Day (continued)</b>								
			<b>200</b>	<b>202</b>	<b>204</b>	<b>206</b>	<b>208</b>	<b>210</b>	<b>212</b>	<b>214</b>	<b>216</b>
			258	258	258	258	258	258	258	258	258
			<b>Customers Interrupted - Hours Into the Event Day (continued)</b>								
			<b>218</b>	<b>220</b>	<b>222</b>	<b>224</b>	<b>226</b>	<b>228</b>	<b>230</b>	<b>232</b>	<b>234</b>
			258	258	258	258	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
			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
			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
			308	310	312	314	316	318	320	322	324
			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
			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

\*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 1997 through 2000**

**EXTRACTED FROM THE TEN LARGEST OUTAGE EVENTS**

There were no CPUC Major Events from 1997 through 2000 to be extracted.

**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.

\*Information for August has been corrected as SDG&E inadvertently over reported in 2005. The adjustment had no effect on the reported SAIDI, SAIFI, and MAIFI impacts.

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

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 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**

<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 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.

**CUSTOMERS EXPERIENCING MORE THAN 12 SUSTAINED OUTAGES IN A ROLLING 12-MONTH PERIOD (EXCLUDING CPUC MAJOR EVENTS) FOR 1999**

Month	District	Circuit	Number of Customers Experiencing >12 Sustained Outages
January	Northeast	296	101
February	N/A	N/A	None
March	Northeast	221	111
April	Northeast	221	112
May	Northeast	221	112
June	Northeast	221	112
July	Northeast	221	112
August	Northeast	221	112
September	Northeast	221	112
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 1998**

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	Northeast	296	457
October	Northeast	296	64
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 1997**

Month	District	Circuit	Number of Customers Experiencing >12 Sustained Outages
January	Northeast	CTL1	184
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	Orange County	766	545
October	Orange County	766	545
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.