# PACIFIC GAS AND ELECTRIC COMPANY <br> 2013 ANNUAL ELECTRIC RELIABILITY REPORT (D.96-09-045 AND D.04-10-034) 

February 28, 2014

## TABLE OF CONTENTS

| SECTION | DESCRIPTION | PAGE |
| :---: | :---: | :---: |
| 1 | System Indices For The Last 10 Years (2004-2013) | 1 |
| 2 | Significant Outage Events of 2013 | 3 |
| 3 | Customers Experiencing >12 Sustained Outages in 2013 | 5 |
| 4 | Attachment 1 - Division Reliability Indices (Per D.04-10-034, Appendix A, Agreement 1) | 6 |
| 5 | Attachment 2 - PG\&E Service Territory Map | 12 |
| 6 | Attachment 3 - Summary List of Excludable Major Events per D.96-09-045 | 14 |
| 7 | Attachment 4 - System Indices for the Last 10 Years (2004-2013) Based on IEEE 1366 | 16 |
| 8 | Attachment 5 - Historical (2004-2012) Outage Information From Prior Reports | 18 |

NOTE: Some graphics provided in this report are photocopies of graphics used in earlier reports and are not completely legible. Please contact PG\&E if you have any questions about the information provided in those graphics.

## GENERAL

This is the 2013 Reliability Report for Pacific Gas and Electric Company ("PG\&E") as required by Decision 96-09-045. This report also includes system reliability data based on the IEEE Standard 1366 as stated in the CPUC approved PG\&E Advice Letter 3812-E (approved on July 25, 2011). In addition, this report includes some additional reporting requirements as specified in Decision 04-10-034 and its Appendix A. The report consists of the following:

| Section | Description |
| :---: | :--- |
| 1. | System Indices For The Last 10 Years (2004-2013) |
| 2. | Significant Outage Events Of 2013 |
| 3. | Customers Experiencing >12 Sustained Outages In 2013 |
| 4. | Attachment 1 - Division Reliability Indices (Per D. 04-10-034, Appendix A, Agreement 1) |
| 5. | Attachment 2 - PG\&E Service Territory Map |
| 6. | Attachment 3 - Summary list of Excludable Major Events per D. 96-09-045 |
| 7. | Attachment 4 - System Indices For The Last 10 Years (2004-2013) Based on IEEE 1366 |
| 8. | Attachment 5 - Historical (2004-2012) Outage Information From Prior Reports |

PG\&E maintains account specific information for customers affected by outages that are recorded in PG\&E's outage reporting system (OUTAGE). This system tracks outages at the generation, transmission, substation, primary distribution, and individual transformer levels. Additionally, OUTAGE models the actual electric switching operations during the circuit restoration process (which is useful for determining accurate customer outage minutes for calculating SAIDI and CAIDI). PG\&E used its most current outage data to compile the information contained in this report.

## SECTION 1

## System Indices (2004-2013)

Table 1 lists the required SAIDI, SAIFI, and MAIFI values in accordance with Appendix A of D. 96-09-045. As required by Decision 04-10-034, CAIDI values are also included in this report.
Table 1 - System Indices (2004-2013)
(Includes Transmission, Distribution and Generation related outages)

|  | Major Events Included |  |  | Major Events Excluded |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| YEAR | SAIDI | SAIFI | MAIFI | CAIDI | SAIDI | SAIFI | MAIFI | CAIDI |
| 2004 | 205.3 | 1.426 | 1.875 | 143.9 | 205.1 | 1.425 | 1.872 | 143.9 |
| 2005 | 249.3 | 1.549 | 1.895 | 161.0 | 187.1 | 1.407 | 1.782 | 132.9 |
| 2006 | 280.5 | 1.727 | 1.768 | 162.4 | 150.9 | 1.273 | 1.532 | 118.5 |
| 2007 | 159.9 | 1.249 | 1.565 | 128.0 | 159.9 | 1.249 | 1.565 | 128.0 |
| 2008 | 416.4 | 1.563 | 1.829 | 266.4 | 166.7 | 1.254 | 1.634 | 132.9 |
| 2009 | 208.2 | 1.308 | 1.540 | 159.1 | 163.1 | 1.193 | 1.474 | 136.7 |
| 2010 | 246.3 | 1.384 | 1.487 | 178.0 | 168.6 | 1.167 | 1.311 | 144.4 |
| 2011 | 275.7 | 1.261 | 1.478 | 218.6 | 236.0 | 1.195 | 1.434 | 197.6 |
| 2012 | 138.9 | 1.118 | 1.920 | 124.3 | 138.9 | 1.118 | 1.920 | 124.3 |
| 2013 | 115.4 | 1.059 | 1.636 | 109.0 | 115.4 | 1.059 | 1.636 | 109.0 |

Included in this annual report is supplemental information noted in Tables 2 and 3 representing the corresponding indexes separated for both the distribution and transmission systems. It should be noted that the totals from these two tables will not exactly match Table 1 for the following reasons:
(a) Generation related outages are included in Table 1 but not in Tables 2 and 3;
(b) There are database limitations related to the major event exclusion process when separating the transmission and distribution systems.

Please also note, the MAIFI information is not included in these tables since the existing non-SCADA automatic recording devices (EON ${ }^{1}$ or Smart Meters) do not distinguish between the two systems.

Table 2 - Distribution System Indices (2004-2013)
(Excludes transmission and generation related outages)

|  | Major Events Included |  |  | Major Events Excluded |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| YEAR | SAIDI | SAIFI | CAIDI | SAIDI | SAIFI | CAIDI |
| 2004 | 181.7 | 1.277 | 142.2 | 181.5 | 1.277 | 142.1 |
| 2005 | 210.9 | 1.352 | 156.0 | 157.7 | 1.222 | 129.0 |
| 2006 | 251.0 | 1.534 | 163.6 | 136.5 | 1.137 | 120.1 |
| 2007 | 138.6 | 1.117 | 124.0 | 138.6 | 1.117 | 124.0 |
| 2008 | 377.8 | 1.428 | 264.6 | 150.3 | 1.155 | 130.1 |
| 2009 | 192.8 | 1.203 | 160.2 | 149.8 | 1.099 | 136.3 |
| 2010 | 220.0 | 1.251 | 175.9 | 153.4 | 1.066 | 143.9 |
| 2011 | 243.9 | 1.115 | 218.8 | 215.5 | 1.085 | 198.7 |
| 2012 | 122.3 | 1.010 | 121.1 | 122.3 | 1.010 | 121.1 |
| 2013 | 102.4 | 0.915 | 111.9 | 102.4 | 0.915 | 111.9 |

Table 3 - Transmission System Indices (2004-2013) (Excludes distribution and generation related outages)

|  | Major Events Included |  |  | Major Events Excluded |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| YEAR | SAIDI | SAIFI | CAIDI | SAIDI | SAIFI | CAIDI |
| 2004 | 23.3 | 0.148 | 157.7 | 23.3 | 0.148 | 157.8 |
| 2005 | 38.3 | 0.197 | 195.1 | 29.3 | 0.185 | 158.8 |
| 2006 | 29.5 | 0.193 | 152.5 | 14.4 | 0.136 | 105.4 |
| 2007 | 21.3 | 0.132 | 161.5 | 21.3 | 0.132 | 161.5 |
| 2008 | 38.3 | 0.135 | 284.3 | 16.2 | 0.099 | 163.6 |
| 2009 | 15.4 | 0.105 | 147.0 | 13.2 | 0.094 | 140.7 |
| 2010 | 26.3 | 0.133 | 198.4 | 15.2 | 0.101 | 149.7 |
| 2011 | 31.7 | 0.144 | 219.7 | 29.1 | 0.129 | 225.2 |
| 2012 | 16.6 | 0.108 | 153.3 | 16.6 | 0.108 | 153.3 |
| 2013 | 9.9 | 0.117 | 84.7 | 9.9 | 0.117 | 84.7 |

## Excludable Major Events

Appendix A to D. 96-09-045 defines Excludable Major Events as follows:
Each utility will exclude from calculation of its reliability indices major events that meet either of the two 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.

There were no Excludable Major Events in 2013, as defined in Appendix A of D. 96-09-045.

[^0]
## SECTION 2

## Significant Outage Events Of 2013

Table 4 lists the ten largest outage events experienced during 2013. PG\&E interprets this reporting requirement as the ten events (individual days or in some cases a group of consecutive days) with a significant number of customer interruptions in the system or a portion of the system. These events are listed in descending order of customer interruptions.

Table 4 - Ten Largest 2013 Outage Events

| Rank | Description | Date | Number of Customers Affected * | Longest Customer Interruption (Hours) | \# of People Used <br> To Restore Service (Major Events) ** | CPUC <br> Major <br> Event? |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | On 11/19 into 11/20, a weather system moved into the territory and delivered up to 2 inches of rain over elevated terrain. It was the first significant rain storm of the season. Then on $11 / 21$ into $11 / 22$ surface low pressure over southern California combined with developing high pressure in Nevada to deliver very strong north to northeast winds across the north half of the Service Territory. Winds were very strong over elevated terrain; wind gusts up to 65 mph were observed in the Oakland hills (Oakland North RAWS) and to 101 mph in the northern Sierra Nevada. (The wind gust at Oakland north was second only to the January $4^{\text {th }}$ mega-storm gust of 71 mph ). Wind speeds near $45-50 \mathrm{mph}$ were also observed over lower elevation locations such as Oakland and Santa Rosa. | $\begin{gathered} \hline \text { 11/19/2013 - } \\ 11 / 22 / 2013 \end{gathered}$ | 385,017 | 143 |  | N |
| 2 | The marine layer surged onto the coast and delivered coastal mist and drizzle which ultimately resulted in an insulator flashover event. The event was preceded by a series of brisk wind events which may have increased salt contamination along the coast. | 6/23/2013 | 170,429 | 15 |  | N |
| 3 | Fair and dry weather was observed on 11/12/2013. An unplanned outage occurred in the Bellota substation. | 11/12/2013 | 113,266 | 10 |  | N |
| 4 | High pressure built over California and maximum temperatures from 99-107 were observed along the Central Valley. Temperature maximums near the coast were in the 60s to 70 s with $70 \mathrm{~s}-90 \mathrm{~s}$ for coastal to intermediate valleys. Most customers were impacted by trouble on the Transmission system. | 7/19/2013 | 99,738 | 18 |  | N |
| 5 | Overnight Sunday into the early morning hours of Monday April 8, 2013, a strong Pacific Jet Stream drove a small but intense cold front with very gusty northwest winds into the California coast and Bay Area. Gusts along the coast reached generally into the $50-60 \mathrm{mph}$ range with the peak gust of 75 mph recorded at a station on the west edge of San Francisco County. | 4/8/2013 | 93,200 | 42 |  | N |
| 6 | A strong ridge of high pressure built over California bringing extreme heat to all locations except the coast and immediate coastal valleys. High temperatures on $7 / 1$ near the coast ranged from the $70 \mathrm{~s}-80 \mathrm{~s}$ with 90 s - low 100s for coastal Valleys. Temperatures were extreme in the interior with maximum temperatures up to 111 in the Central Valley. The heat intensified on $7 / 2$ where maximum soared again into the 100 s , with Redding observing a 116 degree maximum. | $\begin{aligned} & \hline 7 / 1 / 2013- \\ & 7 / 2 / 2013 \end{aligned}$ | 93,194 | 29 |  | N |
| 7 | On Sunday a weak area of low pressure moved west to east through the Territory bringing increasing clouds, light showers and snow showers over the Sierra and a few light stray showers elsewhere, primarily across the south. Most customers were impacted by a fault on a substation relay. | 3/3/2013 | 69,578 | 11 |  | N |
| 8 | A classic California October offshore wind event unfolded 10/3/2013 as surface high pressure built north of the Service Territory. Wind speeds were generally $20-35 \mathrm{mph}$ with gusts to $40-55$ across the Sacramento valley, northern Sierra Nevada and elevated terrain around the Bay Area. | 10/3/2013 | 56,573 | 25 |  | N |
| 9 | The ridge of high pressure dramatically amplified delivering significant heat across the Territory. Maximum temperatures across the interior valley locations reached above 105 with Red Bluff reaching 112 degrees. Overnight temperatures remained warm on the far ends of the valley, with minimum temperatures only dipping into the upper 70s in the southern San Joaquin and mid 80s in the northern Sacramento Valley. | 6/8/2013 | 52,442 | 22 |  | N |
| 10 | A cold and dynamic weather system dropped southwestward into the territory and brought cooler and very unsettled weather in the form of rain, snow and gusty winds. Winds were strongest over elevated terrain of the Bay Area - Altamont pass gusted to 69 mph . | 10/27/2013 | 49,692 | 36 |  | N |

[^1]** Note: This data is requested only for Major Event days.

## SECTION 3

## Customers Experiencing > 12 Sustained Outages During 2013

Table 5 lists all circuits where one or more customers on a circuit experienced more than 12 sustained outages in 2013. Please note, this list does not mean that all the customers on the circuit experienced more than 12 outages.

PG\&E is addressing the necessary portions of these circuits as part of the overall service reliability improvement plans.
Table 5 - Customers Experiencing > 12 Sustained Outages During 2013

| Division | Customers <br> Experiencing > |  |
| :--- | :--- | :---: |
| FRESNO | FCHINDLER 1105 | 5 |
| SACRAMENTO | GRAND ISLAND 2225 | 8 |
| SACRAMENTO | VACAVILLE 1108 | 8 |
| SAN JOSE | LLAGAS 2101 | 34 |
| YOSEMITE | VALLEY HOME 1701 | 12 |

## SECTION 4

## Attachment 1

Division Reliability Indices (Per D. 04-10-034, Appendix A, Agreement 1)

Per D. 04-10-034
Appendix A Agreement 1

Pacific Gas and Electric Division Reliability Indices 2008-2013
(Excluding Major Events)

| Year | Division | SAIDI | SAIFI | MAIFI | CAIDI |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 2008 | CENTRAL COAST | 268.2 | 1.807 | 2.454 | 148.4 |
| 2009 | CENTRAL COAST | 242.6 | 2.086 | 3.120 | 116.3 |
| 2010 | CENTRAL COAST | 188.2 | 1.569 | 3.219 | 119.9 |
| 2011 | CENTRAL COAST | 410.8 | 1.495 | 1.781 | 274.8 |
| 2012 | CENTRAL COAST | 148.6 | 1.298 | 2.364 | 114.5 |
| 5-Yr Ave | 08-12 Avg | 251.7 | 1.651 | 2.588 | 154.8 |
| 2013 | CENTRAL COAST | 124.5 | 1.308 | 2.035 | 95.2 |
|  | \% Difference | -50.5\% | -20.8\% | -21.4\% | -38.5\% |
|  |  |  |  |  |  |
| Year | Division | SAIDI | SAIFI | MAIFI | CAIDI |
| 2008 | DE ANZA | 108.4 | 0.991 | 1.529 | 109.3 |
| 2009 | DE ANZA | 104.4 | 0.890 | 1.612 | 117.2 |
| 2010 | DE ANZA | 118.3 | 0.986 | 1.276 | 120.0 |
| 2011 | DE ANZA | 79.0 | 0.717 | 1.482 | 110.2 |
| 2012 | DE ANZA | 79.3 | 0.708 | 1.223 | 111.9 |
| 5-Yr Ave | 08-12 Avg | 97.9 | 0.858 | 1.424 | 113.7 |
| 2013 | DE ANZA | 74.7 | 0.806 | 1.186 | 92.7 |
|  | \% Difference | -23.7\% | -6.1\% | -16.7\% | -18.5\% |
|  |  |  |  |  |  |
| Year | Division | SAIDI | SAIFI | MAIFI | CAIDI |
| 2008 | DIABLO | 138.4 | 1.361 | 1.964 | 101.7 |
| 2009 | DIABLO | 148.2 | 1.348 | 1.171 | 110.0 |
| 2010 | DIABLO | 108.4 | 1.286 | 1.245 | 84.3 |
| 2011 | DIABLO | 73.2 | 0.898 | 1.376 | 81.5 |
| 2012 | DIABLO | 104.0 | 1.220 | 1.405 | 85.3 |
| 5-Yr Ave | 08-12 Avg | 114.4 | 1.223 | 1.432 | 92.6 |
| 2013 | DIABLO | 82.2 | 1.010 | 1.303 | 81.3 |
|  | \% Difference | -28.2\% | -17.4\% | -9.0\% | -12.2\% |
|  |  |  |  |  |  |
| Year | Division | SAIDI | SAIFI | MAIFI | CAIDI |
| 2008 | EASTBAY | 102.5 | 0.894 | 0.809 | 114.6 |
| 2009 | EAST BAY | 126.4 | 1.184 | 0.862 | 106.8 |
| 2010 | EASTBAY | 112.1 | 1.005 | 0.708 | 111.6 |
| 2011 | EASTBAY | 100.5 | 0.951 | 1.078 | 105.7 |
| 2012 | EAST BAY | 108.8 | 1.374 | 1.350 | 79.2 |
| 5-Yr Ave | 08-12 Avg | 110.1 | 1.082 | 0.961 | 103.6 |
| 2013 | EAST BAY | 116.8 | 1.004 | 1.269 | 116.4 |
|  | \% Difference | 6.1\% | -7.2\% | 32.0\% | 12.4\% |

Per D. 04-10-034
Appendix A
Agreement 1

Pacific Gas and Electric
Division Reliability Indices
2008-2013
(Excluding Major Events)

| Year | Division | SAIDI | SAIFI | MAIFI | CAIDI |
| ---: | :---: | ---: | ---: | ---: | ---: |
| 2008 | FRESNO | 177.8 | 1.559 | 1.766 | 114.1 |
| 2009 | FRESNO | 136.5 | 1.225 | 1.814 | 111.4 |
| 2010 | FRESNO | 115.2 | 1.056 | 1.878 | 109.1 |
| 2011 | FRESNO | 162.7 | 1.112 | 2.014 | 146.4 |
| 2012 | FRESNO | 98.5 | 1.053 | 2.360 | 93.5 |
| 5-Yr Ave | $08-12$ Avg | 138.1 | 1.201 | 1.966 | 114.9 |
| 2013 | FRESNO | 94.6 | 1.088 | 2.110 | 86.9 |
|  | \% Difference | $-31.5 \%$ | $-9.4 \%$ | $7.3 \%$ | $-24.4 \%$ |


| Year | Division | SAIDI | SAIFI | MAIFI | CAIDI |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 2008 | HUMBOLDT | 405.4 | 2.108 | 2.932 | 192.3 |
| 2009 | HUMBOLDT | 225.2 | 1.650 | 2.367 | 136.5 |
| 2010 | HUMBOLDT | 420.7 | 2.189 | 1.584 | 192.2 |
| 2011 | HUMBOLDT | 407.7 | 1.687 | 2.075 | 241.6 |
| 2012 | HUMBOLDT | 335.3 | 1.718 | 4.665 | 195.2 |
| 5-Yr Ave | 08-12 Avg | 358.9 | 1.870 | 2.725 | 191.6 |
| 2013 | HUMBOLDT | 298.1 | 1.391 | 2.625 | 214.3 |
|  | \% Difference | -16.9\% | -25.6\% | -3.7\% | 11.9\% |
| Year | Division | SAIDI | SAIFI | MAIFI | CAIDI |
| 2008 | KERN | 161.1 | 1.358 | 1.149 | 118.7 |
| 2009 | KERN | 104.7 | 1.171 | 1.446 | 89.4 |
| 2010 | KERN | 118.6 | 1.070 | 1.419 | 110.8 |
| 2011 | KERN | 165.0 | 1.258 | 1.600 | 131.1 |
| 2012 | KERN | 89.2 | 0.987 | 1.221 | 90.4 |
| 5-Yr Ave | 08-12 Avg | 127.7 | 1.169 | 1.367 | 108.1 |
| 2013 | KERN | 89.9 | 1.094 | 1.196 | 82.2 |
|  | \% Difference | -29.6\% | -6.4\% | -12.5\% | -23.9\% |
|  |  |  |  |  |  |
| Year | Division | SAIDI | SAIFI | MAIFI | CAIDI |
| 2008 | LOS PADRES | 184.6 | 1.591 | 2.909 | 116.0 |
| 2009 | LOS PADRES | 108.3 | 1.051 | 1.626 | 103.0 |
| 2010 | LOS PADRES | 107.3 | 1.158 | 1.756 | 92.6 |
| 2011 | LOS PADRES | 120.4 | 1.154 | 2.052 | 104.3 |
| 2012 | LOS PADRES | 94.7 | 1.023 | 1.630 | 92.6 |
| 5-Yr Ave | 08-12 Avg | 123.1 | 1.195 | 1.995 | 101.7 |
| 2013 | LOS PADRES | 213.5 | 1.496 | 1.094 | 142.7 |
|  | \% Difference | 73.5\% | 25.1\% | -45.2\% | 40.3\% |

Per D. 04-10-034
Appendix A
Agreement 1

Pacific Gas and Electric
Division Reliability Indices
2008-2013
(Excluding Major Events)

| Year | Division | SAIDI | SAIFI | MAIFI | CAIDI |
| ---: | :---: | ---: | ---: | ---: | ---: |
| 2008 | MISSION | 96.7 | 0.914 | 1.467 | 105.8 |
| 2009 | MISSION | 89.1 | 0.741 | 0.893 | 120.3 |
| 2010 | MISSION | 105.2 | 0.932 | 0.728 | 112.8 |
| 2011 | MISSION | 67.6 | 0.795 | 0.692 | 85.1 |
| 2012 | MISSION | 92.2 | 0.916 | 0.871 | 100.7 |
| $5-$ Yr Ave | $08-12$ Avg | 90.2 | 0.860 | 0.930 | 104.9 |
| 2013 | MISSION | 72.5 | 0.797 | 0.837 | 90.9 |
|  | \% Difference | $-19.6 \%$ | $-7.3 \%$ | $-10.0 \%$ | $-13.4 \%$ |
|  |  |  |  |  |  |
| Year | Division | SAIDI | SAIFI | MAIFI | CAIDI |
| 2008 | NORTH BAY | 163.3 | 1.200 | 1.765 | 136.0 |
| 2009 | NORTH BAY | 140.2 | 1.153 | 0.944 | 121.6 |
| 2010 | NORTH BAY | 129.9 | 1.067 | 1.346 | 121.8 |
| 2011 | NORTH BAY | 200.4 | 1.329 | 1.222 | 150.8 |
| 2012 | NORTH BAY | 137.6 | 0.910 | 1.949 | 151.1 |
| $5-$ Yr Ave | 08-12 Avg | 154.3 | 1.132 | 1.445 | 136.3 |
| 2013 | NORTH BAY | 112.2 | 0.988 | 1.730 | 113.5 |
|  | \% Difference | $-27.3 \%$ | $-12.7 \%$ | $19.7 \%$ | $-16.7 \%$ |


| Year | Division | SAIDI | SAIFI | MAIFI | CAIDI |
| ---: | :---: | ---: | ---: | ---: | ---: |
| 2008 | NORTH VALLEY | 317.0 | 1.683 | 3.460 | 188.4 |
| 2009 | NORTH VALLEY | 217.4 | 1.352 | 3.097 | 160.8 |
| 2010 | NORTH VALLEY | 222.1 | 1.341 | 1.893 | 165.7 |
| 2011 | NORTH VALLEY | 622.1 | 2.022 | 2.134 | 307.6 |
| 2012 | NORTH VALLEY | 511.8 | 1.876 | 2.948 | 272.9 |
| $5-$ Yr Ave | $08-12$ Avg | 378.1 | 1.655 | 2.706 | 219.1 |
| 2013 | NORTH VALLEY | 137.9 | 1.085 | 1.962 | 127.1 |
|  | \% Difference | $-63.5 \%$ | $-34.4 \%$ | $-27.5 \%$ | $-42.0 \%$ |
|  |  |  |  |  |  |
| Year | Division | SAIDI | SAIFI | MAIFI | CAIDI |
| 2008 | PENINSULA | 125.9 | 1.202 | 1.795 | 104.7 |
| 2009 | PENINSULA | 93.5 | 0.934 | 0.798 | 100.2 |
| 2010 | PENINSULA | 121.3 | 1.399 | 1.058 | 86.7 |
| 2011 | PENINSULA | 109.6 | 1.179 | 0.944 | 93.0 |
| 2012 | PENINSULA | 98.0 | 1.133 | 1.708 | 86.5 |
| $5-$ Yr Ave | 08-12 Avg | 109.7 | 1.169 | 1.261 | 94.2 |
| 2013 | PENINSULA | 91.1 | 0.868 | 1.325 | 105.0 |
|  | \% Difference | $-16.9 \%$ | $-25.8 \%$ | $5.1 \%$ | $11.4 \%$ |

Per D. 04-10-034
Appendix A Agreement 1

Pacific Gas and Electric Division Reliability Indices 2008-2013
(Excluding Major Events)

| Year | Division | SAIDI | SAIFI | MAIFI | CAIDI |
| ---: | :---: | ---: | ---: | ---: | ---: |
| 2008 | SACRAMENTO | 180.9 | 1.168 | 2.072 | 154.9 |
| 2009 | SACRAMENTO | 154.2 | 1.214 | 1.774 | 127.0 |
| 2010 | SACRAMENTO | 135.9 | 0.967 | 1.281 | 140.5 |
| 2011 | SACRAMENTO | 169.8 | 1.154 | 1.910 | 147.1 |
| 2012 | SACRAMENTO | 159.3 | 1.407 | 1.904 | 113.2 |
| $5-$ Yr Ave | 08-12 Avg | 160.0 | 1.182 | 1.788 | 136.5 |
| 2013 | SACRAMENTO | 107.8 | 1.059 | 1.719 | 101.8 |
|  | \% Difference | $-32.6 \%$ | $-10.4 \%$ | $-3.9 \%$ | $-25.4 \%$ |
|  |  |  |  |  |  |
| Year | Division | SAIDI | SAIFI | MAIFI | CAIDI |
| 2008 | SAN FRANCISCO | 56.2 | 0.678 | 0.271 | 82.9 |
| 2009 | SAN FRANCISCO | 67.1 | 0.786 | 0.096 | 85.3 |
| 2010 | SAN FRANCISCO | 46.6 | 0.609 | 0.077 | 76.5 |
| 2011 | SAN FRANCISCO | 45.9 | 0.553 | 0.215 | 83.0 |
| 2012 | SAN FRANCISCO | 48.4 | 0.603 | 1.042 | 80.3 |
| $5-$ Yr Ave | 08-12 Avg | 52.8 | 0.646 | 0.340 | 81.6 |
| 2013 | SAN FRANCISCO | 55.8 | 0.645 | 0.333 | 86.6 |
|  | \% Difference | $5.6 \%$ | $-0.1 \%$ | $-2.1 \%$ | $6.1 \%$ |
|  |  |  |  |  |  |
| Year | Division | SAIDI | SAIFI | MAIFI | CAIDI |
| 2008 | SAN JOSE | 91.0 | 0.794 | 1.078 | 114.6 |
| 2009 | SAN JOSE | 76.6 | 0.779 | 0.801 | 98.3 |
| 2010 | SAN JOSE | 70.8 | 0.765 | 0.543 | 92.6 |
| 2011 | SAN JOSE | 111.3 | 0.965 | 0.807 | 115.3 |
| 2012 | SAN JOSE | 82.9 | 0.822 | 0.985 | 100.9 |
| 5 Yr Ave | 08-12 Avg | 86.5 | 0.825 | 0.843 | 104.3 |
| 2013 | SAN JOSE | 96.9 | 0.952 | 1.036 | 101.8 |
|  | \% Difference | $12.0 \%$ | $15.4 \%$ | $22.9 \%$ | $-2.4 \%$ |
|  |  |  |  |  |  |


| Year | Division | SAIDI | SAIFI | MAIFI | CAIDI |
| ---: | :---: | ---: | ---: | ---: | ---: |
| 2008 | SIERRA | 243.0 | 1.630 | 1.516 | 149.1 |
| 2009 | SIERRA | 539.7 | 1.644 | 1.434 | 328.4 |
| 2010 | SIERRA | 480.9 | 1.528 | 1.214 | 314.7 |
| 2011 | SIERRA | 808.0 | 1.948 | 2.552 | 414.7 |
| 2012 | SIERRA | 214.7 | 1.372 | 3.139 | 156.5 |
| $5-Y r$ Ave | 08-12 Avg | 457.3 | 1.624 | 1.971 | 272.7 |
| 2013 | SIERRA | 133.6 | 1.208 | 2.856 | 110.6 |
|  | \% Difference | $-70.8 \%$ | $-25.6 \%$ | $44.9 \%$ | $-59.4 \%$ |

Per D. 04-10-034
Appendix A
Agreement 1

Pacific Gas and Electric
Division Reliability Indices 2008-2013
(Excluding Major Events)

| Year | Division | SAIDI | SAIFI | MAIFI | CAIDI |
| :---: | :---: | ---: | ---: | ---: | ---: |
| 2008 | SONOMA | 155.2 | 1.104 | 0.922 | 140.5 |
| 2009 | SONOMA | 167.8 | 1.205 | 1.458 | 139.2 |
| 2010 | SONOMA | 159.5 | 1.169 | 0.833 | 136.4 |
| 2011 | SONOMA | 117.3 | 0.933 | 1.393 | 125.7 |
| 2012 | SONOMA | 204.6 | 1.096 | 2.030 | 186.7 |
| 5 -Yr Ave | 08-12 Avg | 160.9 | 1.101 | 1.327 | 145.7 |
| 2013 | SONOMA | 180.6 | 1.116 | 2.536 | 161.9 |
|  | \% Difference | $12.3 \%$ | $1.3 \%$ | $91.1 \%$ | $11.1 \%$ |
|  |  |  |  |  |  |
| Year | Division | SAIDI | SAIFI | MAIFI | CAIDI |
| 2008 | STOCKTON | 167.8 | 1.155 | 1.800 | 145.2 |
| 2009 | STOCKTON | 255.5 | 1.469 | 2.935 | 173.9 |
| 2010 | STOCKTON | 283.6 | 1.395 | 1.488 | 203.3 |
| 2011 | STOCKTON | 471.9 | 1.754 | 1.188 | 269.0 |
| 2012 | STOCKTON | 163.0 | 1.156 | 2.099 | 141.0 |
| $5-$ Yr Ave | $08-12$ Avg | 268.4 | 1.386 | 1.902 | 186.5 |
| 2013 | STOCKTON | 114.6 | 1.449 | 2.144 | 79.1 |
|  | \% Difference | $-57.3 \%$ | $4.6 \%$ | $12.7 \%$ | $-57.6 \%$ |
|  |  |  |  |  |  |
| Year | Division | SAIDI | SAIFI | MAIFI | CAIDI |
| 2008 | YOSEMITE | 290.4 | 1.616 | 1.561 | 179.7 |
| 2009 | YOSEMITE | 223.9 | 1.375 | 1.655 | 162.9 |
| 2010 | YOSEMITE | 424.0 | 1.662 | 2.671 | 255.1 |
| 2011 | YOSEMITE | 598.6 | 1.699 | 2.406 | 352.2 |
| 2012 | YOSEMITE | 145.8 | 1.294 | 4.176 | 112.6 |
| 5 Yr Ave | 08-12 Avg | 336.5 | 1.529 | 2.494 | 212.5 |
| 2013 | YOSEMITE | 187.8 | 1.337 | 3.445 | 140.5 |
|  | \% Difference | $-44.2 \%$ | $-12.6 \%$ | $38.1 \%$ | $-33.9 \%$ |
|  |  |  |  |  |  |
| Year | Division | SAIDI | SAIFI | MAIFI | CAIDI |
| 2008 | SYSTEM | 166.7 | 1.254 | 1.634 | 132.9 |
| 2009 | SYSTEM | 163.0 | 1.193 | 1.474 | 136.7 |
| 2010 | SYSTEM | 168.6 | 1.167 | 1.311 | 144.4 |
| 2011 | SYSTEM | 236.0 | 1.195 | 1.434 | 197.6 |
| 2012 | SYSTEM | 138.9 | 1.118 | 1.920 | 124.3 |
| $5-$ Yr Ave | $08-12$ Avg | 174.6 | 1.185 | 1.555 | 147.2 |
| 2013 | SYSTEM | 115.4 | 1.059 | 1.636 | 109.0 |
|  | \% Difference | $-33.9 \%$ | $-10.7 \%$ | $5.2 \%$ | $-25.9 \%$ |
|  |  |  |  |  |  |
| 2 |  |  |  |  |  |

## SECTION 5

Attachment 2
PG\&E Service Territory Map


## SECTION 6

Attachment 3
Summary List of Excludable Major Events per D.96-09-045

| Date | Description | Reason |
| :---: | :---: | :---: |
| 1/1/2011-1/4/2011 | A system of strong storms that began in December 2010 carried through into the beginning of 2011 bringing heavy winds and rain. | Declared State of Emergency |
| 3/17/2011-3/22/2011 | A series of cold and powerful storms moved through the Service Area with the majority of outages resulting from low snow and gusty winds. The bulk of outage activity occurred overnight Sat $19^{\text {th }}$ to Sun $20^{\text {th }}$ as strong southeasterly wind gusts were observed in many locations (SF Apt 45 mph , Stockton 44 mph , Redding 45 mph , Bakersfield 40 mph ). Excessive low elevation snowfall caused significant outage activity. Yosemite Division was hard hit with low snow (snow totals - 38" reported at 4200' above Oakhurst) | Declared State of Emergency |
| 3/24/2011-3/27/2011 | After a short respite from inclement weather, another strong and cold storm moved into the Service Area on March $24^{\text {th }}$. Once again, strong southerly wind gusts were observed (SF Apt 38 mph , Oakland 37 mph ). Low elevation snow was the main adverse weather issue with Sierra, North Valley, Stockton, and Yosemite Divisions hard hit with low snow. (snow totals - 13" in Shingletown, $25^{\prime \prime}$ at 3700 ' along Highway 88, $34^{\prime \prime}$ at the 4200' above Oakhurst) | Declared State of Emergency |
| 1/18/2010-1/24/2010 | A strong jet stream developed over the Eastern Pacific, which spawned a series of outage producing weather events that included: <br> - Three impulses of strong winds; gust above 50 mph each day (Jan 18, 19, 20) <br> - Periods of moderate to heavy rainfall (Jan 18, 19, 20, 21) <br> - Bands of thundershower activity (several thousand strikes Jan 18-21) <br> - Heavy snowfall at low elevations of the Sierra Nevada (Jan 21, 22) | 10\% customer criteria |
| 10/13/2009-10/14/2009 | A strong early season storm affected the entire service area with many stations reporting wind gusts over $50 \mathrm{mph}(57 \mathrm{mph}$ at Ft. Funston (SF), 56 mph at Fairfield, 55 mph at Oroville, 51 mph at Monterey). Single day rainfall totals ranged between two and five inches at many locations (4.54 in. at Watsonville, 4.27 in . at Fairfield, and 3.66 in. at Napa). National Weather Service records indicate this storm was the strongest October rain and wind event since 1962. | 10\% customer criteria |
| 1/3/2008-1/6/2008 | The strongest storm system since December 1995 affected the entire service area on Jan 4. Wind gusts exceeded 65 mph at many low elevation sites throughout the service area (Redding 70 mph , Beale AFB 69 mph , Sacramento Apt. 66 mph , Pt. San Pablo 83 mph ), with some coastal hills and foothill sites gusting to over 80 mph (Los Gatos, elev. 2000 ft .105 mph , Big Rock, Marin Co. elev. 1500 ft .83 mph ). Rainfall totals on Jan 4 ranged up to 4 inches with storm totals above 6 inches in the North Bay counties. Multiple lightning strikes were reported on Jan 4 and 5 | 10\% customer criteria |
| 12/26/06-12/28/06 | A strong storm moved across the service area on Dec 26. Strong post-frontal winds occurred Dec 27-28. | 10\% customer criteria |
| 07/21/06-07/27/06 | A severe and long lasting heat wave affected the service area. In many locations, three day average temperatures were the highest recorded in over 50 years. | Declared State of Emergency |
| 04/04/06-04/05/06 | A surge of subtropical moisture moved over the service area resulting in periods of heavy rainfall and moderately gusty winds in the 20-35 mph range. | Declared State of Emergency |
| 03/09/06-03/14/06 | A cold air mass brought periods of rain, wind, thundershowers and low elevation snow to the service area. | Declared State of Emergency |
| 03/02/06-03/05/06 | During this four day period several storms crossed through the service territory. Strong winds, rain and thunderstorms occurred on Mar 3, especially affecting the San Joaquin Valley. | Declared State of Emergency |
| 02/26/06-02/28/06 | A strong storm occurred on February 27-28. Bay Area wind gusts generally ranged from 45 to 70 mph ; SF Airport reported a wind gust of 71 mph . Gusts to 50 mph were reported in many other parts of the service area. | Declared State of Emergency |
| $\begin{aligned} & 01 / 03 / 2006-01 / 05 / 2006 \\ & -----------------1 / 3 / 2006 \\ & 12 / 30 / 2005-01 / 02 / 20 \end{aligned}$ | A series of strong storms struck the service area The Dec 30 event was strongest in the north. The Dec 31 event affected the entire service area. An additional one to three inches of rain fell across northern and central California on Dec 31. | Declared State of Emergency <br> 10\% customer criteria |
| 12/18/2005-12/20/2005 | A strong weather front accompanied by heavy rain and strong gusty winds targeted the central portion of the service area. Many coastal locations received between one to three inches of rain. | Declared State of Emergency |
| 08/11/2004-08/16/2004 | North Valley Division wildfires. | Declared State of Emergency |

## SECTION 7 <br> Attachment 4

System Indices for the Last 10 Years (2004-2013) Based in IEEE 1366

Table A - IEEE 1366 Method - T\&D System

| (Excludes 2.5 Beta Days, ISO, Planned \& Transformer Only Outages) |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| YEAR | SAIDI | SAIFI | MAIFI | CAIDI |
| 2004 | 152.2 | 1.179 | 1.568 | 129.1 |
| 2005 | 157.0 | 1.266 | 1.663 | 124.0 |
| 2006 | 168.4 | 1.349 | 1.573 | 124.8 |
| 2007 | 142.3 | 1.199 | 1.516 | 118.7 |
| 2008 | 153.4 | 1.197 | 1.592 | 128.1 |
| 2009 | 131.3 | 1.112 | 1.391 | 118.1 |
| 2010 | 127.7 | 1.097 | 1.252 | 116.4 |
| 2011 | 107.4 | 0.960 | 1.169 | 111.9 |
| 2012 | 108.9 | 1.024 | 1.799 | 106.2 |
| 2013 | 94.2 | 0.957 | 1.527 | 98.4 |

Table B - IEEE 1366 Method - Distribution System
(Exclude 2.5 Beta Days, ISO, Planned \& Transformer Only Outages)

| YEAR | SAIDI | SAIFI | CAIDI |
| :---: | :---: | :---: | :---: |
| 2004 | 140.9 | 1.074 | 131.2 |
| 2005 | 137.9 | 1.120 | 123.1 |
| 2006 | 151.6 | 1.196 | 126.8 |
| 2007 | 128.8 | 1.089 | 118.3 |
| 2008 | 137.4 | 1.101 | 124.8 |
| 2009 | 121.4 | 1.027 | 118.2 |
| 2010 | 115.8 | 1.000 | 115.8 |
| 2011 | 96.1 | 0.863 | 111.4 |
| 2012 | 98.7 | 0.932 | 105.8 |
| 2013 | 85.6 | 0.847 | 101.1 |

Table C - IEEE 1366 Method - Transmission System
(Exclude 2.5 Beta Days, ISO, Planned \& Transformer Only Outages)

| YEAR | SAIDI | SAIFI | CAIDI |
| :---: | :---: | :---: | :---: |
| 2004 | 11.0 | 0.104 | 106.5 |
| 2005 | 19.1 | 0.146 | 130.5 |
| 2006 | 16.7 | 0.153 | 109.5 |
| 2007 | 13.5 | 0.109 | 123.3 |
| 2008 | 15.8 | 0.096 | 163.7 |
| 2009 | 9.9 | 0.085 | 117.3 |
| 2010 | 11.9 | 0.097 | 123.7 |
| 2011 | 11.2 | 0.095 | 117.7 |
| 2012 | 10.2 | 0.092 | 110.4 |
| 2013 | 8.7 | 0.110 | 78.5 |

The totals shown in Tables B and C may not exactly match the values in Table A due to the following:

- Generation related outages are included in the first table but not in Tables B and C;
- There are database limitations related to the exclusion process when separating the outage data associated with the transmission and distribution systems.

The MAIFI information is not included in Tables $B$ and $C$ since the existing automatic recording (EON) devices do not distinguish between the two systems.

## SECTION 8

## Attachment 5

Historical (2004-2012) Outage Information from Prior Reports (The noted reference numbers are from the earlier reports)
A. Ten Largest Outage Events
B. Histograms of Events Meeting the CPUC Definition of an Excludable Major Event
C. Customers Experiencing >12 Sustained Outages

## SECTION 8

## Attachment 5

## SECTION A

## Ten Largest Outage Events

Table 4 - Ten Largest 2012 Outage Events

| Rank | Description | Date | Number of Customers Affected * | Longest Customer Interruption (Hours) | \# of People Used <br> To Restore Service (Major Events)** | CPUC <br> Major Event? |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | The final and strongest storm of an 'Atmospheric River' series moved through the territory on 12/02/2012 delivering widespread gusts of $50-70 \mathrm{mph}$ in the northern Sacramento Valley. The strongest wind observed was in Plumas National Forest where a gust of 102 mph was recorded. This system also brought heavy amounts of rain across northern California where localized flooding and mudslides were reported in numerous locations. Precipitation totals from the entire series (See Rank \#3) topped 20 inches in the wettest locations in the north. | 12/02/2012 | 298,393 | 80 |  | N |
| 2 | A series of moderate to strong storms impacted the Service Area delivering rain, wind, thunderstorms and several feet of snow across the northern mountains and Sierra. The second storm in the series moved onto the Humboldt coast during the evening of $12 / 21$ and then progressed south and east through the territory overnight into $12 / 22$. The third and strongest storm of the series developed just off the coast and pushed a vigorous cold front through the Service Area on $12 / 23$. Gusts up to 80 mph were observed over elevated terrain. Yet another round of heavy mountain snow fell across the north and the Sierra. Up to 6 feet of snow fell in some locations across the north during the series making restoration difficult. | $\begin{gathered} \hline 12 / 21 / 2012- \\ 12 / 23 / 2012 \end{gathered}$ | 195,099 | 172 |  | N |
| 3 | The first storm of the 'Atmospheric River' series moved into the territory on 11/28 and delivered strong south winds up to $50-60 \mathrm{mph}$ and heavy rains. The second and stronger system impacted the Territory $11 / 29$ through $11 / 30$. This system brought significant rainfall totals across the north half of the Territory with up to 10 " observed in the wettest locations across elevated terrain. After a brief break on $12 / 1$ the final and strongest storm of the series moved through on 12/2 (see Rank 1). | $\begin{gathered} \hline 11 / 28 / 2012- \\ 11 / 30 / 2012 \end{gathered}$ | 183,145 | 71 |  | N |
| 4 | On 1/20 a strong Pacific weather system with an associated well-organized frontal band pushed north to south through the territory. This system delivered heavy rains and gusty southerly winds to most locations and was the first rain in a month or more for many locations across the south half of the territory. | $\begin{gathered} \hline \text { 1/20/2012 - } \\ 1 / 21 / 2012 \end{gathered}$ | 168,496 | 40 |  | N |
| 5 | On 3/16 a system impacted Northern Region and the Bay Area with heavy showers, gusty southerly winds, and a few lightning strikes. On $3 / 17$ this system progressed south through Central Coast and Central Valley Divisions bringing heavy rains, thunderstorms and gusty winds. On $3 / 18$, snow levels fell as cold air filtered in resulting in low snow outage activity from Grass Valley south into Fresno division. | $\begin{gathered} \hline 3 / 16 / 2012- \\ 3 / 18 / 2012 \end{gathered}$ | 146,602 | 63 |  | N |
| 6 | Overnight Sunday, 10/21/2012 into Monday, 10/22/2012 a cold front associated with a unusually cold, early-season storm swept west to east across the PG\&E Service Area bringing a variety of adverse weather including rain, wind, thunderstorms and low snow. Two tornados also formed in the eastern Sacramento Valley and Sierra foothills. | 10/22/2012 | 129,801 | 22 |  | N |
| 7 | A vigorous late season weather system swept through the Service Area on $6 / 4-6 / 5$ and brought a variety of adverse weather conditions. This system delivered over 700 lightning strikes across the Service Territory with the majority occurring in the northern Sacramento Valley. Winds gusting to 40 mph came up abruptly in the San Joaquin causing numerous wind related outages. | $\begin{gathered} \hline 6 / 4 / 2012- \\ 6 / 5 / 2012 \end{gathered}$ | 93,735 | 22 |  | N |
| 8 | On 12/17 a weakening front moved through the Service Area bringing rain showers and breezy southerly winds up to 3540 mph across the Sacramento Valley. Showers progressed into the southern San Joaquin overnight into 12/18. Postfrontal northwest winds then developed across the San Joaquin Valley, with gusts up to 35 mph observed at Fresno. | $\begin{array}{\|c} \hline 12 / 17 / 2012- \\ 12 / 18 / 2012 \end{array}$ | 83,063 | 18 |  | N |
| 9 | A Pacific storm system and associated cold front and swept through the north half of the PG\&E Service Area. The front brought brisk south winds of 30 to 40 mph , with higher gusts over elevated terrain. During the afternoon, thunderstorms formed along the north coast and northern Sacramento Valley in the post-frontal environment. | 3/31/2012 | 68,165 | 21 |  | N |
| 10 | Non weather related event. | 7/21/2012 | 47,182 | 30 |  | N |

* Note: Values exclude single distribution line transformer and planned outages.
** Note: This data is requested only for Major Event days.

Table 5 - Ten Largest 2011 Outage Events

| Rank | Description | Date | Number of Customers Affected * | Longest <br> Customer <br> Interruption <br> (Hours) | \# of People Used <br> To Restore Service (Major Events)** | CPUC Major Event? |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | A series of cold and powerful storms moved through the Service Area with the majority of outages resulting from low snow and gusty winds. The bulk of outage activity occurred overnight Sat $19^{\text {th }}$ to Sun $20^{\text {th }}$ as strong southeasterly wind gusts were observed in many locations (SF Apt 45 mph , Stockton 44 mph , Redding 45 mph , Bakersfield 40 mph ). Excessive low elevation snowfall caused significant outage activity. Yosemite Division was hard hit with low snow (snow totals - 38" reported at 4200' above Oakhurst) | $\begin{gathered} \hline \text { Mar 17- } \\ 22 \end{gathered}$ | 581,949 | 256 | 1,839*** | $\begin{array}{\|c\|} \hline \text { Y-Partial } \\ \text { (See } \\ \text { Table 4) } \end{array}$ |
| 2 | After a short respite from inclement weather, another strong and cold storm moved into the Service Area on March $24^{\text {th }}$. Once again, strong southerly wind gusts were observed (SF Apt 38 mph , Oakland 37 mph ). Low elevation snow was the main adverse weather issue with Sierra, North Valley, Stockton, and Yosemite Divisions hard hit with low snow. (snow totals - $13^{\prime \prime}$ in Shingletown, $25^{\prime \prime}$ at 3700 ' along Highway 88,34 " at the 4200' above Oakhurst) | $\begin{gathered} \text { Mar } 24 \text { - } \\ 27 \end{gathered}$ | 464,767 | 504 | 1,839*** | Y-Partial (See Table 4) |
| 3 | A series of cold storms moved across the Service Area starting Valentine's day until Feb 19. On the $17^{\text {th }}$ very cold air filtered into the region lowering snow levels enough to create low snow related outages across the Coast Ranges of Humboldt Divisions, and down the entire Sierra Nevada foothills. The hardest hit divisions were Humboldt, Yosemite, and Sierra. (Snow totals - 14" in Shingletown, 38 " at 3700 ' on Highway $88,12^{\prime \prime}$ at $2600^{\prime}$ in Humboldt County). Snow recorded down to 500 feet in Humboldt. | $\begin{gathered} \text { Feb } 15- \\ 19 \end{gathered}$ | 357,802 | 151 |  | N |
| 4 | High pressure in the Great Basin and low pressure off the southern California coast set the stage for strongest northeast wind event to hit the Service Area in the last 20 years. Gusts up to 50 mph were common in the Sierra with the highest gust of 94 mph recorded on Mt. Elizabeth in the Yosemite division. Winds were quite strong in the Valley as well (Stockton 52 mph , Redding 40 mph , Fresno 36 mph ) | $\begin{gathered} \text { Nov } 30- \\ \text { Dec } 1 \end{gathered}$ | 325,942 | 131 |  | N |
| 5 | A strong and cold storm affected the entire Service Area with low snow falling in the Northern Region and gusty southerly winds and heavy rains further east and south. The hardest hit divisions were Humboldt, North Valley, and Sierra. (Snow totals - 18" in Shingletown, 20" in Susanville, 19" in Grass Valley). Snow recorded down to 500 feet in Humboldt. | $\begin{gathered} \hline \text { Feb } 24- \\ 25 \end{gathered}$ | 187,851 | 152 |  | N |
| 6 | An early season storm moved through the Service Area bringing moderate southerly winds and heavy precipitation rates. In Ukiah, more than a half inch of rain fell within one hour in the early morning. The Central Valley Region experienced the most outages. These were mainly pole fires/flashover caused by the first rain to fall in the area after months of prolonged dry weather. | Oct 5 | 100,357 | 24 |  | N |
| 7 | Widespread thunderstorm activity broke out across the southern part of the Service Area early in the morning with the biggest impacts in Fresno and Kern divisions. The Bakersfield area in Kern was hit particularly hard by lightning, with Kern Division recording 3833 lightning strikes for the day. | Sept 10 | 77,443 | 69 |  | N |
| 8 | A late season cold storm moved through the Service Area with low snow outage conditions across divisions in the Sierra Nevada, especially the Sierra Division. (8" of snow at 3700' along Highway 88) Thunderstorms and associated lightning also broke out across the Central Valley. Impacts were minimal in the Bay Area and Central Coast Regions. | May 15 | 62,863 | 30 |  | N |
| 9 | A non-weather related outage day with maximum temperatures along the Central Valley in the mid-80s. The outage count was only slightly above average for a June day; however, a large number of customers in the East Bay were affected by two distribution substation outages. | Jun 12 | 50,028 | 15 |  | N |
| 10 | The first warm day of the spring was observed in many areas. San Jose had a high of 84. This could have contributed to the above average outage total. No other adverse weather was reported. The largest impacts were recorded in the San Francisco and San Jose Divisions. | Apr 1 | 44,177 | 6 |  | N |

* Note: Values exclude single distribution line transformer and planned outages.
** Note: This data is requested only for Major Event days.
*** Note: During the course of the March 17-27, 2011 storms, approximately 1,839 PG\&E Operations, Maintenance and Construction (OM\&C) employees responded. These employees included electric and gas construction crews, troublemen, meter technicians, clerical staff, gas and electric estimators and meter readers. Resources were dispatched and moved from lesser impacted areas to the more heavily impacted areas. In addition to PG\&E personnel, 110 vegetation crews, 10 contract crews (approximately 200 individuals), and 36 mutual aid crews (approximately 175 individuals) were utilized to supplement existing resources.

Table 4 - Ten Largest 2010 Outage Events

| Rank | Description | Date | Number of Customers Affected * | Longest <br> Customer <br> Interruption <br> (Hours) | \# of People Used <br> To Restore Service (Major Events)** | CPUC <br> Major <br> Event? |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{array}{r}1 \\ \\ \\ \hline\end{array}$ | A strong jet stream developed over the Eastern Pacific, which spawned a series of outage producing weather events that included: <br> - Three impulses of strong winds; gust above 50 mph each day (Jan 18, 19, 20) <br> - Periods of moderate to heavy rainfall (Jan 18, 19, 20, 21) <br> - Bands of thundershower activity (several thousand strikes Jan 18-21) <br> - Heavy snowfall at low elevations of the Sierra Nevada (Jan 21, 22) | Jan 18-24 | 1,169,513 | 497 | 3,830 *** | Y |
| 2 | A strong storm system with several impulses moved through the entire Service Area during the Dec $17-20$ period bringing gusty winds and heavy rain. Wind gusts during the period: 43 mph at Stockton, 43 mph at Salinas, 46 mph at SFO, 43 at Red Bluff. | Dec 17-20 | 215,116 | 120 |  | N |
| 3 | A series of cold storms brought significant snow to low elevations in the Sierra Nevada foothills. The snow came early in the season, when deciduous trees still retained most of their leaves. Excessive snow loading occurred on trees causing large limbs to break off and fall onto power lines. Snowfall amounts ranged from near 1 foot at the 3000' elevation, to several feet above 5000'. This storm produced the most low elevations snow in November in the last 15 years. | Nov 20-21 | 215,245 | 186 |  | N |
| 4 | Storm system with strong south winds on Dec 28 (gusts to 47 mph at Marysville, 41 mph at Stockton, 46 mph SFO) followed by strong northwest winds on Dec 29 (gusts to 46 mph at San Jose, 41 mph at Stockton, 43 at Bakersfield, 46 mph at SFO). | Dec 28-29 | 180,370 | 47 |  | N |
| 5 | A late season storm brought rain, thunderstorms, and wind. Over 500 lightning strikes were recorded. The storm was particularly strong along the Central Coast and in the southern San Joaquin Valley. Reported wind gusts: 45 mph at Salinas, 46 mph at Santa Maria, 46 mph at Bakersfield 46. | Apr 11-12 | 122,050 | 73 |  | N |
| 6 | Early season storm brought thunderstorms to Northern Region (over 1000 strikes recorded) along with rain to other parts of the Service Area. In many cases, this was the first rain of the season causing flashover outages. | Sep 8-10 | 114,402 | 60 |  | N |
| 7 | An early season storm brought high winds and heavy rain to primarily the Northern Region. Redding recorded a peak wind gust of 49 mph . Santa Rosa recorded $4.75^{\prime \prime}$ of rainfall. | Oct 24 | 111,522 | 43 |  | N |
| 8 | Storm system swept across the Service Area bringing rain and gusty winds. Reported wind gusts: 41 mph at Salinas, 41 mph at Bakersfield. | Dec 4-5 | 98,041 | 21 |  | N |
| 9 | Heat wave conditions resulted in the hottest two days of the summer. Maximum temperatures exceeded 110 in portions of the Central Valley (111 at Bakersfield on 8/25). Maximum temperatures between 100 and 110 were reported both days at many coastal valley areas (109 at Ukiah on $8 / 25,107$ at Santa Rosa on $8 / 24,105$ at Livermore on $8 / 25$ ). | Aug 24-25 | 97,616 | 82 |  | N |
| 10 | Heat wave affected the service area, on both days Central Valley maximum temperatures ranged between 100 and 110; maximum temperatures above 100 were reported in coastal valleys on 6/27. | Jun 27-28 | 87,751 | 38 |  | N |

* Note: Values exclude single distribution line transformer and planned outages.
*** Note: This data is requested only for Major Event days.
*** Note: During the course of the January 18, 2010 Storm approximately 3,830 PG\&E Operations, Maintenance and Construction (OM\&C) employees responded. These employees included electric and gas construction crews, troublemen, gas service representatives, meter technicians, clerical staff, gas and electric estimators and meter readers. Resources were dispatched and moved from lesser impacted areas to the more heavily impacted areas. In addition to PG\&E personnel, 1000 vegetation workers and 60 contract crews (approximately 360 individuals) were utilized to supplement existing resources.

Table 4 - Ten Largest 2009 Outage Events

| Rank | Description | Date | Number of Customers Affected * | Longest Customer Interruption (Hours) | \# of People Used <br> To Restore Service (Major Events)** | CPUC Major Event? |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | A strong early season storm affected the entire service area with many stations reporting wind gusts over 50 mph ( 57 mph at Ft. Funston (SF), 56 mph at Fairfield, 55 mph at Oroville, 51 mph at Monterey). Single day rainfall totals ranged between two and five inches at many locations (4.54 in. at Watsonville, 4.27 in . at Fairfield, and 3.66 in . at Napa). National Weather Service records indicate this storm was the strongest October rain and wind event since 1962. | $\begin{aligned} & \text { 10/13- } \\ & 10 / 14 \end{aligned}$ | 617,589 | $244 * *$ | 4,400 **** | Y |
| 2 | A strong cold front produced significant snowfall on Feb. 13 in the 1500-3000 ft. range of the northern and central Sierra foothills (up to 2 feet of snow at 3000 ft . and @ 1 foot at 2000 ft .). A second storm followed on Feb. 15 producing widespread heavy rain and strong wind gusts to the entire Service Area ( 67 mph at Valley Ford, 59 mph at Oroville, 50 mph at Redding, and Ft. Funston (SF), 47 mph at Salinas, 43 mph at San Luis Obispo. A third storm on Feb 16 delivered additional rainfall and wind gusts in the 30 to 40 mph range at several locations. | $\begin{aligned} & \hline 2 / 13- \\ & 2 / 17 \end{aligned}$ | 340,582 | 107 |  | N |
| 3 | A large cluster of thunderstorms produced widespread lightning activity in the Bay Area and Sacramento Valley on Sep. 12. The lightning activity was followed by a weak weather front the next day that produced the first light rain of the season over much Northern California resulting in flashover related outages. | $\begin{aligned} & \hline 9 / 12- \\ & 9 / 14 \end{aligned}$ | 190,671 | 92 |  | N |
| 4 | A strong cold front produced significant snowfall at the 1000-3000 ft. range of the Sierra foothills (up to 2 feet of snow was observed at 3000 ft ., @ 1 foot at 1500 ft .) Light snow was reported at locations in the Central Valley. | 12/7 | 147,630 | 113 |  | N |
| 5 | Strong northerly winds developed across the entire Service Area with the gusts in the 45 to 55 mph range in the Bay Area and Sacramento Valley ( 52 mph at Fairfield, 49 mph at Sacramento, 45 mph at Red Bluff) | 11/28 | 119,504 | 84 |  | N |
| 6 | Strong north to northwest winds in the 40 to 60 mph range followed the passage of a weak weather front through the service area ( 58 mph at Ft. Funston (SF), 58 mph at SF Airport, 50 mph at San Carlos, 46 mph at Stockton) | 4/14 | 116,406 | 45 |  | N |
| 7 | An area of low pressure produced a large outbreak of thunderstorms with widespread lightning overnight on Jun. 3, continuing into the morning of June 4. | 6/3-6/4 | 98.187 | 38 |  | N |
| 8 | Strong north to northwest winds in the 45 to 55 mph range were recorded throughout the Sacramento and San Joaquin Valleys following the passage of a weak weather front ( 52 mph at Merced, 49 mph at Stockton, 47 mph at Modesto and Madera, 46 mph at Red Bluff, 45 mph at Fresno). | 10/27 | 70,901 | 20 |  | N |
| 9 | A winter storm accompanied by periods of moderate to heavy rainfall and scattered thundershower activity crossed the service area. Rainfall totals of up to 2 inches were reported. | 12/12 | 54,111 | 41 |  | N |
| 10 | Widespread thunderstorm activity resulted in several hundred lightning strikes in Areas 4, 5, 6 and 7. | 5/28 | 52,705 | 22 |  | N |

* Note: Values exclude single distribution line transformer and planned outages.
** Note: This data is requested only for Major Event days.
*** Note: This duration was due to the lack of access caused by flooding in the Stockton area. Access was granted after waters receded. Work was the completed and service was restored to the six customers remaining out of service.
**** Note: Approximately 4,400 PG\&E Operations, Maintenance \& Construction (OM\&C) employees responded. In addition to PG\&E personnel, 400 vegetation workers and 42 contract crews (approximately 210 individuals) were utilized to supplement existing resources.

Table 4 - Ten Largest 2008 Outage Events

| Rank | Description | Date | Number of Customers Affected * | Longest <br> Customer <br> Interruption <br> (Hours) |  | CPUC Major Event? |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | Strongest storm system since December 1995 affected the entire service area on Jan 4. Wind gusts exceeded 65 mph at many low elevation sites throughout the service area (Redding 70 mph , Beale AFB 69 mph , Sacramento Apt. 66 mph , Pt. San Pablo 83 mph ), with some coastal hills and foothill sites gusting to over 80 mph (Los Gatos, elev. 2000 ft .105 mph , Big Rock , Marin Co. elev. 1500 ft .83 mph ). Rainfall totals on Jan 4 ranged up to 4 inches with storm totals above 6 inches in the North Bay counties. Multiple lightning strikes were reported on Jan 4 and 5. | 1/3-1/6 | 1,631,765 | 290 | 7,130 *** | Y |
| 2 | A series of cold winter storms crossed the state. The first system (Jan 24-25) delivered gusty winds (generally in the 30 to 50 mph range), up to 2 inches of rain and snow below 2000 ft . A second system focused on the southern half of the service territory brought additional rain and thundershower activity along with even gustier winds (Santa Maria 67 mph , Bakersfield 49 mph ). | $\begin{gathered} \hline 1 / 24- \\ 1 / 27 \end{gathered}$ | 303,168 | 172 |  | N |
| 3 | A storm system with wind gusts in the 25 to 40 mph range crossed the state. Most locations reported under one inch of rain with a few coastal stations reaching two inches total. | $\begin{gathered} \hline 10 / 31- \\ 11 / 1 \end{gathered}$ | 189,811 | 50 |  | N |
| 4 | The first rains of the winter season were accompanied by winds generally gusting from 25 to 35 mph (Red Bluff 44 mph ). A large number of flashover incidents were likely triggered by the combination of light rain and power lines heavily sooted after the widespread summer season wildfires. | $\begin{gathered} \hline 10 / 3- \\ 10 / 4 \end{gathered}$ | 147,703 | 65 |  | N |
| 5 | Gusty winds with periods of moderate rain accompanied a weather system that crossed the state. Wind gusts were generally in the 30 to 50 mph range (SF Airport 47 mph , Stockton 47 mph , Merced 45 mph ). | $2 / 2-2 / 3$ | 121,865 | 65 |  | N |
| 6 | Gusty winds from this storm were strongest in the southern half of the service area. Gusts between 50 and 55 mph were reported at SF Airport, Salinas, Santa Maria, Red Bluff and Bakersfield. | $\begin{gathered} \hline 2 / 23- \\ 2 / 24 \end{gathered}$ | 113,086 | 101 |  | N |
| 7 | A weather front brought gusty winds and periods of moderate to heavy rain to the state. Post-frontal west to northwest wind gusts were strongest in the Bay Area (SF Apt 54 mph , Hayward 63 mph , Oakland 47 mph , Salinas 51 mph ) | 12/25 | 111,134 | 102 |  | N |
| 8 | Gusty north winds generally in the 25 to 35 mph range were reported in the north. San Joaquin and Central Coast winds gusted from 30 to over 50 mph (Santa Maria 41 mph , Stockton 45 mph , Madera 52 mph , Merced 47 mph ) | 5/22 | 105, 635 | 102 |  | N |
| 9 | Gusty north winds developed on the evening of Feb 13 and continued through Feb 14. Winds were generally in the 30 to 45 mph range, with strongest gusts in the Central Valley (Redding 48 mph , Marysville 48 mph , Sacramento 47 mph ) | $\begin{gathered} \hline 2 / 13- \\ 2 / 14 \\ \hline \end{gathered}$ | 98,788 | 47 |  | N |
| 10 | Gusty north winds between 20 and 35 mph resulted in a record breaking early season heat wave. Bay Area and Central Valley temperatures ranged from 100 to 105 F | 5/15 | 84,659 | 28 |  | N |

* Note: Values exclude single distribution line transformer and planned outages.
** Note: This data is requested only for Major Event days.
${ }^{* * *}$ Note: Approximately 6,000 PG\&E Operations, Maintenance \& Construction (OM\&C) employees responded. In addition to PG\&E personnel, 300-350 vegetation crews (approximately 700 individuals), 70 contract crews (approximately 450 individuals) and 28 mutual assistance crews (approximately 170 individuals) from Southern California Edison (SCE), San Diego Gas and Electric (SDG\&E), City of Gridley, City of Redding, and Sierra Pacific Power were utilized to supplement existing resources

Table 4 - Ten Largest 2007 Outage Events

| Rank | Description | Date | Number of Customers Affected * | Longest <br> Customer <br> Interruption <br> (Hours) | \# of People Used <br> To Restore Service (Major Events)** | CPUC <br> Major <br> Event? |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | Gusty winds and rain Feb 26 and 27. Peak wind speeds of $30-45 \mathrm{mph}$ Bay Area (Oakland 40 mph , SF approximately 43 mph ). Interior valley reported $25-40 \mathrm{mph}$ gusts, strongest in the San Joaquin Valley (Fresno 38 mph ). Rainfall generally below one inch. Snow levels lowered to 2000 ft . as far south as the San Joaquin Valley on Feb 27. | $\begin{gathered} \hline 2 / 26- \\ 2 / 28 \end{gathered}$ | 266,764 | 214 *** |  | N |
| 2 | Heat wave centered around July 5. Maximums between 105-115 degrees in the interior valleys, 95-110 degrees in the coastal valleys. | $\begin{gathered} \hline 7 / 4- \\ 7 / 7 \end{gathered}$ | 172,778 | 20 |  | N |
| 3 | Widespread lightning with subtropical rain. Lightning all three days but extensive strikes on Aug 30 over Areas 3 and 4 | $\begin{gathered} \hline 8 / 29- \\ 8 / 31 \end{gathered}$ | 149,883 | 75 |  | N |
| 4 | Early summer hot temperatures in the interior; maximums 100-105 degrees in the Central Valley, upper 80's to low 100's in the coastal valleys. North winds 20-25 mph | $\begin{aligned} & \hline 6 / 14- \\ & 6 / 16 \end{aligned}$ | 137,977 | 27 |  | N |
| 5 | Light rain across Central and North Areas. Winds generally below 25 mph. Lightning on Sep 21 in the evening continuing through Sep 22 mainly in San Joaquin Valley and foothills. Many outages reported due to insulator flashover resulting from light rain. | 9/22 | 100,606 | 33 |  | N |
| 6 | Rain, gusty winds and scattered thundershowers Feb 22. Peak winds at Redding - 51 mph on the Feb 21 and 44 mph on Feb 22nd. Bay Area gusts from $25-35 \mathrm{mph}$ (Oakland 37 mph ) on the Feb $22^{\text {nd }}$. Over 2 inches of rain in Eureka, less than one inch most other locations | $\begin{gathered} \hline 2 / 22-23 \\ \hline \end{gathered}$ | 96,420 | 79 |  | N |
| 7 | Light rain far north, winds below 25 mph . Cold morning temperatures. | 1/16 | 91,695 | 24 |  | N |
| 8 | Thunderstorms / lightning in the Sierra foothills of Area 4 and 5. Afternoon temperatures between 95-100 degrees in the Central Valley | 7/24 | 70,602 | 29 |  | N |
| 9 | Light rain across the Service Area. Many outages reported due to insulator flashover resulting from light rain. | 10/10 | 62,434 | 34 |  | N |
| 10 | Moderately strong winds occurred across the Central and Northern Service Areas with gusts up to 50 mph . | 12/27 | 59,594 | 20 |  | N |

*Note: Values exclude single distribution line transformer and planned outages.
** Note: This data is requested only for Major Event days.
*** Note: Reflects an outage at two customer locations in a remote area that experiences deep snow with limited access.

Table 5 - Ten Largest 2006 Outage Events

| Rank | Description | Date | Number of Customers Affected | Longest <br> Customer <br> Interruption <br> (Hours) | \# of People Used <br> To Restore Service (Major Event)** | CPUC <br> Major <br> Event? |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | A severe and long lasting heat wave affected the service area. In many locations three day average temperatures were the highest recorded in over 50 years. Consecutive days with maximum temperatures over 110 F were recorded throughout the Central Valley, and many coastal valleys reported consecutive days with maximum temperatures over 105 F . Sacramento set an all-time record of 11 days in a row with maximum temperatures over 100 F . An unusual feature of this heat wave was high nighttime temperatures. Sacramento, San Jose and Fresno set records for the highest minimum temperatures ever recorded. | $\begin{gathered} 7 / 21- \\ 7 / 27 \end{gathered}$ | 651,217 | 119 |  | $\begin{gathered} \mathrm{Y} \\ \text { See } \\ \text { Table } 4 \end{gathered}$ |
| 2 | A strong storm moved across the service area on Dec 26. Strong post-frontal winds occurred Dec 27-28. Southerly winds gusted from 45 to 55 mph in the Sacramento Valley and Bay Area on Dec $26^{\text {th }}$, accompanied by rainfall totals ranging from $1 / 2$ to 3 inches. Gusty west to northwest winds were recorded after the front passed on Dec $27^{\text {th }}$. Bay Area wind gusts generally ranged from $45-60 \mathrm{mph}$, and gusts in the 35 to 50 mph range were reported in both northern and southern portions of the service area. North to northwesterly wind gusts in the 25 to 40 mph range continued into the afternoon of Dec 28th | $\begin{aligned} & \hline 12 / 26- \\ & 12 / 28 \end{aligned}$ | 528,496 | 125 | 2460 | $\begin{gathered} \text { Y } \\ \text { See } \\ \text { Table } 4 \end{gathered}$ |
| 3 | The storm of Jan 1-2 was a continuation of a series of storms that began at the end of the 2005. Gusts from 45 to over 60 mph were common in the Sacramento Valley and Bay Area; 35 to 55 mph along the Central Coast, and 30 to 45 mph in the San Joaquin Valley. Rainfall amounts ranging from $1 / 2$ to 2 inches fell on grounds that had been saturated by a series of late December storms. | $\begin{array}{\|l\|} \hline 1 / 1-1 / 5 \\ (12 / 30 / 05 \\ -1 / 5 / 06)^{*} \\ \hline \end{array}$ | $\begin{gathered} \hline 504,072 \\ (1,101,718) \end{gathered}$ | $\begin{gathered} 129 \\ (155) \end{gathered}$ | $3522^{* *}$ | $\begin{gathered} \mathrm{Y} \\ \text { See } \\ \text { Table } 4 \end{gathered}$ |
| 4 | A strong storm occurred on February 27-28. Bay Area wind gusts generally ranged from 45 to 70 mph ; SF Airport reported a wind gust of 71 mph . Gusts to 50 mph were reported in many other parts of the service area. Moderate to heavy rain accompanied the strong winds with up to four inches of rain reported along the north coast and in the northern interior. Bands of thunderstorms rolled through the service area on Feb 28. | $\begin{gathered} \hline 2 / 26- \\ 2 / 28 \end{gathered}$ | 331,813 | 45 |  | $\begin{gathered} \mathrm{Y} \\ \text { See } \\ \text { Table } 4 \end{gathered}$ |
| 5 | Strong high pressure resulted in heat wave conditions over most of the service area. On June 22, temperatures ranged from 100 to 110 throughout the Central Valley, Bay Area and coastal valley temperatures ranged from 95 to 105. On Jun 23, a weak sea breeze cooled off the Bay Area slightly, but interior valley temperatures continued to climb resulting in readings generally between 105 and 115 through June 25 (117 @ Red Bluff on Jun 25) | $\begin{gathered} 6 / 22- \\ 6 / 25 \end{gathered}$ | 164,582 | 31 |  | N |
| 6 | The first significant wind and rain storm of the winter occurred during the Dec 8-10 period. Wind gusts generally ranged from 30 to 40 mph on Dec 8 and $9(45 \mathrm{mph} @$ SF Apt, $45 \mathrm{mph} @$ Hanford); and from $25-35 \mathrm{mph}$ on Dec 10 ( $38 \mathrm{mph} @$ Oakland, $37 \mathrm{mph} @$ Redding). Rainfall totals were generally under $1 / 2$ inch on Dec 8 ( 0,58 at Santa Rosa), between $1 / 4$ and $3 / 4$ inch on Dec 9 ( 0.99 inches at Sacramento); and under $1 / 4$ inch on Dec 10. Thunderstorms were reported in the Sacramento Valley on Dec 9. | $\begin{aligned} & 12 / 8- \\ & 12 / 10 \end{aligned}$ | 146,770 | 39 |  | N |
| 7 | A cold air mass brought periods of rain, wind, thundershowers and low elevation snow to the service area. On Mar 9, winds gusts ranged from 25 to 45 mph through most of the service area ( $46 \mathrm{mph} @$ SF Apt). Lightning mainly confined to coast areas on Mar 10, and coastal areas and San Joaquin Valley on Mar 11. Large accumulations of low elevation snow were reported in the foothills of the Central (10 inches at Angels Camp) and Southern Sierra (14 inches at 1500 ft .). In the coastal mountains between six and 12 inches was reported. | $\begin{aligned} & \hline 3 / 9- \\ & 3 / 14 \end{aligned}$ | 138,997 | 94 |  | $\begin{gathered} \mathrm{Y} \\ \text { See } \\ \text { Table } 4 \end{gathered}$ |
| 8 | During this four day period, several storms crossed through the service territory. Strong winds, rain and thunderstorms occurred on March 3, especially affecting the San Joaquin Valley. Fresno reported a wind gust of 41 mph . Wind gusts above 40 mph were recorded in Humboldt County on March 4. The final weather front of this series occurred on Mar 5. Peak winds gusted to 55 mph along the north coast, and an additional one to three inches of rain was reported in parts of the Bay Area, North Coast and Sacramento Valley | $\begin{gathered} 3 / 02- \\ 3 / 05 \end{gathered}$ | 113,235 | 66 |  | $\begin{gathered} \mathrm{Y} \\ \text { See } \\ \text { Table } 4 \end{gathered}$ |
| 9 | A surge of subtropical moisture moved over the service area resulting in periods of heavy rainfall ( 1.14 inches at Sacramento, 1.02 inches at Stockton) and moderately gusty winds in the 20-35 mph range. Lightning activity was strong in the northern and central San Joaquin Valley. | $\begin{gathered} \hline 4 / 04- \\ 4 / 05 \end{gathered}$ | 102,052 | 31 |  |  |
| 10 | A weather front produced $40-45 \mathrm{mph}$ wind gusts in the northern Sacramento Valley, 10 mph gusts elsewhere. Rainfall totals ranged from $1 / 4$ to one inch along the north coast and northern Sacramento Valley, less than $1 / 4$ inch elsewhere. | 1/28 | 85,089 | 73 |  | N |


values. *Note: The values in parenthesis reflect the totals for the entire event from Dec 30, 2005 to Jan 5, 2006 as noted in Section 1
** Note: This data is requested only for Major Event Days.
 Mutual Assistance Crews (approximately 80 individuals) from Southern California Edison (SCE) were utilized to supplement existing resources.

Table 5 - Ten Largest 2005 Outage Events

| Rank | Description | Date | Number of Customers Affected * | Longest Customer Interruption (Hours) | \# of People <br> Used <br> To Restore Service (Major Events)** | CPUC Major Event? |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | A series of strong storms struck the service area (these storms were preceded by several wet events that affected the North Bay and North Coast). The Dec 30 event was strongest in the north. The Eureka NWS office reported 90+ mph winds in the Humboldt Bay area and widespread gusts in excess of 70 mph . Northern Sacramento Valley locations reported strong wind gusts; e.g. 53 mph at Redding. North Coast and North Bay rainfall amounts were in the 3 to 5 inch range. The Dec 31 event affected the entire service area. Wind gusts above 50 mph were recorded in all areas except the Southern San Joaquin Valley; 59 mph at Red Bluff, 58 mph at Arcata, 51 mph at Santa Rosa; 53 mph at Sonoma; 59 mph at Rio vista; 77 mph at Pt. San Pablo (SF Bay); 62 mph at Ft. Funston (SF); 60 mph at SF Airport; 52 mph at Los Banos. An additional one to three inches of rain fell across northern and central California on Dec 31. | 12/30-12/31 | 597,646 | 155 | 3522*** | Y |
| 2 | A strong weather front delivered wind gusts over 50 mph at many locations in the southern $2 / 3$ of the service area; 53 mph at Beale AFB (Marysville), 53 mph at Mather AFB (Sacramento), 48 mph at SF Airport, 53 mph at Bellota, 51 mph at Stockton, 55 mph at San Luis Obispo, 56 mph at Stockdale (Bakersfield). Rainfall totals were generally less than one inch. | 01/07 - 01/09 | 278,360 | 149 |  | N |
| 3 | A strong weather front accompanied by heavy rain and strong gusty winds targeted the central portion of the service area. Peak wind gusts included 50 mph at Valley Ford, 49 mph at Rio Vista, 55 mph at Ft. Funston, 53 mph at SF Airport, 49 mph at San Luis Obispo. Many coastal locations received between one to three inches of rain. The number of customer's affected $(252,679)$ is a system total for December 18-20. However, PG\&E excluded only the following divisions on the following days: December 18 (Diablo, East Bay, North Bay, North Coast, Peninsula, Sacramento, Stockton), December 19 (North Coast, Peninsula, Sacramento), December 20 (North Coast). | 12/18-12/20 | 252,679 | 49 |  | Noted in Table 4 |
| 4 | A series of weather fronts affected the service area over this four day period resulting in a prolonged period of rainy and blustery weather. Some localized flooding was reported with rainfall totals in the two to four inch range. The strongest winds were on Mar 22 with peak gusts of 45 mph at SF Airport, 45 mph at Rio Vista, 44 mph at Sacramento, 43 mph at Redding and 33 mph at Fresno. | 03/19-03/22 | 209,867 | 55 |  | N |
| 5 | A weather front crossed the service area producing strong gusty winds in the Bay Area and Sacramento Valley. Peak gusts included 54 mph at Valley Ford, 51 mph at Table Mountain and Corning, 63 mph at Pt. San Pablo, 51 mph at Pleasanton, 64 mph at SF Airport, and 55 mph at Ft. Funston. Rainfall totals were generally between one and two inches in the North Bay and Sacramento Valley. | 12/01-12/02 | 199,923 | 26 |  | N |
| 6 | The series of storms that affected the service area on Dec $26-28$ produced moderate rain and gusty winds (30-45 mph ) in the north on Dec 26, heavy rain north (one to three inches) and gusty winds south; 44 mph at Stockton, 46 mph Bakersfield, 45 mph Santa Maria on Dec 27, and another one to two inches of rain north on Dec 28. | 12/26-12/28 | 124,753 | 26 |  | N |
| 7 | Transmission relay malfunction (Moraga-Oakland Station X, 115kV line \#3). | 11/20 | 116,513 | 9 |  | N |
| 8 | A strong lightning storm developed a band of subtropical moisture that mainly affected the Bay Area, southern Sacramento Valley and San Joaquin Valley. | 09/20 | 110,271 | 41 |  | N |
| 9 | A weather front affected the central part of the service area bringing gusty winds and widespread shower activity. Strongest peak wind gusts were 44 mph at Salinas, 40 mph at Pleasanton, 38 mph at Bethel Island and 28 mph at Fresno. Thunderstorm activity was reported in the Bay Area, southern Sacramento Valley, and San Joaquin Valley, with numerous lightning strikes recorded. | 02/21 | 105,652 | 37 |  | N |
| 10 | A weak weather front crossed the service area followed by gusty northwesterly winds. Peak gusts were 37 mph at SF Airport, 36 mph at Eureka, 36 mph at Redding and 36 mph at Rio Vista. Rainfall totals were less than one-half inch. | 10/15 | 85,802 | 37 |  | N |

* Note: Values exclude single distribution line transformer and planned outages.
** Note: This data is requested only for Major Event Days.
 142 individuals) and 20 Mutual Assistance Crews (approximately 80 individuals) from Southern California Edison (SCE) were utilized to supplement existing resources.

Table 4 - Ten Largest 2004 Outage Events

| Rank | Description | Date | Number of Customers Affected * | Longest Customer Interruption (Hours) | \# of People <br> Used <br> To Restore <br> Service <br> (Major <br> Events)** | CPUC <br> Major Event? |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | Two storms (Oct 17 and 19) moved through the service area. Wind gusts were generally between 24-50 mph (51 mph at Redding, 40 mph at Red Bluff, 37 mph at Napa) on Oct 17, and $35-60 \mathrm{mph}$ on Oct 19 ( 51 mph Redding, 47 mph at Red Bluff, 51 mph at Marysville, 49 mph at San Francisco Airport, 55 mph at Bellota, 57 mph at San Luis Obispo). Rainfall totals were generally under $1 / 2$ inch on Oct 17 , but ranged from $1 / 2$ to over 3 inches on Oct 19 ( 3.30 in. at Redding, 1.90 in. at Ukiah, 1.84 in. at Oakland, 1.89 in. at Santa Rosa) | 10/15-10/20 | 522,213 | 104 |  | N |
| 2 | A series of wet and windy storms crossed the service area during the last week of 2004. Many northern and central California locations received over 5 inches of rain, with totals above 10 inches at many coastal hill locations. Strong gusty winds, generally in the 25 to 45 mph range were reported on the $27^{\text {th }}$ and early hours of the $28^{\text {th }}$, especially in the central and southern areas ( 45 mph at Marysville, 43 mph at Sacramento, 44 mph at Stockton, 46 mph at Santa Maria). Salinas and Ft Funston reported a gusts of 62 and 63 mph , respectively, on the morning of the $27^{\text {th }}$. The storm of Dec $30^{\text {th }}$ delivered another round of strong winds with gusts generally in the 35 to 55 mph range in northern and central California ( 53 mph at Red Bluff, 51 mph at Redding, 59 mph at SF Airport, 45 mph at Oakland, 44 mph at Stockton, 39 mph at San Jose). | 12/27-12/31 | 435,315 | 142 |  | N |
| 3 | A strong weather front with gusty winds and heavy rain crossed the service area. Peak wind gusts in the northern and central portions of the service area generally ranged in the 35 to 65 mph range ( 58 mph at Arcata, 53 mph at Santa Rosa, 59 mph at Red Bluff, 64 mph at Cohasset, 56 mph at Marysville, 64 mph at Sacramento, 63 mph at San Pablo, 61 mph at Ft Funston, 57 mph at Bellota, 49 mph at Monterey, 49 mph at Templeton). Rainfall totals were generally in the 1-3 inch range, except under 1 inch in the San Joaquin Valley. | 2/25-2/26 | 337,128 | 54 |  | N |
| 4 | A strong weather front with gusty winds and heavy rain affected the northern half of the service area. Winds gusted from 35 to 65 mph in the Bay Area, Redwood and Northern Interior zones on February $17^{\text {th }}$ ( 62 mph at SF Airport, 57 mph at Sunol, 50 mph at Pleasanton, 52 mph at Konocti, 45 mph at Santa Rosa, 57 mph at Cohasset, 47 mph at Redding. Rainfall amounts were 3-5 inches in the Redwood zone, 1-4 inches in the Northern Interior and 1-2 inches in the Bay Area. | 2/16-2/19 | 220,162 | 24 |  | N |
| 5 | A strong weather front with gusty winds and heavy rain affected the northern half of the service area late on Dec $6^{\text {th }}$ and early Dec $7^{\text {th }}$. Winds gusted from 35 to 60 mph in lower elevation areas of the Redwood, Bay Area and Northern Interior zones, $15-40 \mathrm{mph}$ elsewhere ( 60 mph at Redding, 51 mph at Valley Ford, 48 mph at Sacramento, 45 mph at Clayton, 47 mph at SF Airport, 49 mph at Ben Lomond, 46 mph at Pleasanton). Rainfall amounts ranged from 1-4 inches at lower elevations, 5-12 inches above 2000 ft . elevation, in the northern half of the service area. | 12/6-12/8 | 190,673 | 35 |  | N |
| 6 | A strong weather front with gusty winds and heavy rain affected the northern half of the service area on Jan 1. Winds gusted from 35 to 60 mph at lower elevations in the Bay Area, Redwood and Northern Interior zones ( 59 mph at Redding, 56 mph at SF Airport, 54 mph at Sunol, 53 mph at Marysville, 47 mph at Pleasanton, 49 mph at Sacramento, 60 mph at Santa Rosa, 54 mph at Cohasset. Rainfall amounts were 1-3 inches in the Redwood zone, Northern Interior and Bay Area zones. | 1/01 | 172,397 | 74 |  | N |
| 7 | Gusty north winds developed over northern and central portions of the service area as a strong high pressure system developed. Peak wind speeds included 58 mph at Hopland, 51 mph in Santa Rosa, 47 mph at Sonoma. Peak gusts in the East Bay hills ranged from 50-60 mph | 11/20-11/21 | 118,558 | 32 |  | N |
| 8 | A moderate weather front, with peak winds of $25-40 \mathrm{mph}$ and accompanied by rainfall totals between $1 / 2$ and $11 / 2$ inches, affected the entire service area. Strongest wind gusts were in the northern Sacramento Valley ( 40 mph at Redding, 38 mph at Red Bluff) and the southern San Joaquin Valley ( 40 mph at Bakersfield, 38 mph at Hanford). | 10/26 | 74,160 | 41 |  | N |
| 9 | Transmission substation outage occurred in Central Coast Division. | 12/10 | 61,821 | 4 |  | N |
| 10 | $3{ }^{\text {rd }}$ party dig-in to a transmission line in De Anza division. | 10/1 | 58,591 | 13 |  | N |

* Note: Values exclude single distribution line transformer and planned outages.
** Note: This data is requested only for Major Event Days.


## SECTION 8

## Attachment 5

## SECTION B

Histograms of Events Meeting the CPUC Definition of an Excludable Major Event

## Year 2011 Excludable Major Events:

Of the ten largest events listed in Table 5, the following events met the CPUC definition of a major event under criteria (a) state of emergency declaration.

- March 17-22, 2011
- March 24-27, 2011

Although these storms have been identified as two separate consecutive-day events in Table 5, PG\&E has combined them into one event in this report since it better represents the storm's impact on our customers. Table 6 below indicates the number of customers without service at periodic intervals for this combined event (March 17 27,2011 ). The numbers of customers noted in the table are for only those divisions identified in Table 4, which represents the excludable portion of these events. It should be noted that the number of customer outages segmented by hourly restoration periods requires a level of detail not normally maintained by PG\&E in its central computerized records. The information shown here is what PG\&E has been able to reconstruct from several databases and may have a margin of error of up to $5 \%$.
NOTE: The number of customers affected shown in the histogram below shows 330,491 customers. However, 82 customers recorded in PG\&E's OUTAGE database have been excluded from this table since they were vacant campsites without any campers / customers.

Table 6 / Figure 1 - 2011 Outage Event Duration Summary 3/17/2011-3/27/2011

| Outage <br> Duration | Customers <br> Affected | Cumulative \% |
| :--- | :---: | :---: |
| 0 TO 1 HRS | 119,517 | $36.16 \%$ |
| 1 TO 5 HRS | 121,616 | $72.96 \%$ |
| 5 TO 10 HRS | 34,626 | $83.44 \%$ |
| 10 TO 15 HRS | 12,212 | $87.13 \%$ |
| 15 TO 20 HRS | 6,694 | $89.16 \%$ |
| 20 TO 24 HRS | 4,487 | $90.52 \%$ |
| $>=1$ AND <=2 | 14,661 | $94.95 \%$ |
| $>=2$ AND <=3 | 4,692 | $96.37 \%$ |
| $>=3$ AND <=4 | 4,289 | $97.67 \%$ |
| $>=4$ AND <=5 | 2,358 | $98.38 \%$ |
| $>=5$ AND <=6 | 1,512 | $98.84 \%$ |
| $>=6$ AND <=7 | 3,038 | $99.76 \%$ |
| $>7$ | 789 | $100.00 \%$ |
| Total | 330,491 |  |

Table 6 / Figure 2-2011 Outage Event Duration Graph


The excludable portion of this storm event consisted of 1,137 sustained outages. Approximately 1,694 PG\&E employees from the divisions noted in Table 4 responded to this event. In addition, approximately 120 crews (vegetation and contract crews) were utilized to supplement the existing resources.

Of the total customers that experienced outages during the excludable portion of this eleven-day event, $90.5 \%$ were restored within 24 hours. Approximately $5.0 \%$ of the customers impacted by the storm were without service after 48 hours. This was primarily due to the severity and duration of the storm activity. Restoration to the remaining customers was delayed due to the heavy damage to equipment (poles and conductor) as a result of trees falling on and through the lines. This was prevalent in the northern and central coast areas. The tables below provide further outage duration detail as well as the damage caused (in term of equipment).

Table 7-2011 Outage Duration Details

| Major Event Days: March 17-27, 2011 |  |  | Major Event Days: March 17-27, 2011 |  |  | Major Event Days: March 17-27, 2011 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Outage Duration | Customers Restored | Cummulative \% | Outage Duration | Customers Restored | Cummulative \% | Outage Duration | Customers Restored | Cummulative \% |
| 0 TO 1 HRS | 119,517 | 36.16\% | 98 TO 99 HRS | 0 | 97.71\% | 178 TO 179 HRS | 0 | 99.83\% |
| 1 TO 5 HRS | 121,616 | 72.96\% | 99 TO 100 HRS | 0 | 97.71\% | 179 TO 180 HRS | 19 | 99.84\% |
| 5 TO 10 HRS | 34,626 | 83.44\% | 100 TO 101 HRS | 37 | 97.72\% | 180 TO 181 HRS | 2 | 99.84\% |
| 10 TO 15 HRS | 12,212 | 87.13\% | 101 TO 102 HRS | 112 | 97.75\% | 181 TO 182 HRS | 0 | 99.84\% |
| 15 TO 20 HRS | 6,694 | 89.16\% | 102 TO 103 HRS | 68 | 97.77\% | 182 TO 183 HRS | 9 | 99.84\% |
| 20 TO 24 HRS | 4,487 | 90.52\% | 103 TO 104 HRS | 168 | 97.82\% | 183 TO 184 HRS | 18 | 99.84\% |
| 24 TO 25 HRS | 416 | 90.64\% | 104 TO 105 HRS | 2 | 97.82\% | 184 TO 185 HRS | 0 | 99.84\% |
| 25 TO 26 HRS | 583 | 90.82\% | 105 TO 106 HRS | 248 | 97.90\% | 185 TO 186 HRS | 426 | 99.97\% |
| 26 TO 27 HRS | 2,438 | 91.56\% | 106 TO 107 HRS | 41 | 97.91\% | 186 TO 187 HRS | 46 | 99.99\% |
| 27 TO 28 HRS | 404 | 91.68\% | 107 TO 108 HRS | 126 | 97.95\% | 187 TO 188 HRS | 0 | 99.99\% |
| 28 TO 29 HRS | 151 | 91.73\% | 108 TO 109 HRS | 390 | 98.07\% | 188 TO 189 HRS | 0 | 99.99\% |
| 29 TO 30 HRS | 959 | 92.02\% | 109 TO 110 HRS | 301 | 98.16\% | 189 TO 190 HRS | 5 | 99.99\% |
| 30 TO 31 HRS | 770 | 92.25\% | 110 TO 111 HRS | 107 | 98.19\% | 190 TO 191 HRS | 0 | 99.99\% |
| 31 TO 32 HRS | 96 | 92.28\% | 111 TO 112 HRS | 42 | 98.20\% | 191 TO 192 HRS | 0 | 99.99\% |
| 32 TO 33 HRS | 47 | 92.29\% | 112 TO 113 HRS | 64 | 98.22\% | 192 TO 193 HRS | 0 | 99.99\% |
| 33 TO 34 HRS | 1,171 | 92.65\% | 113 TO 114 HRS | 50 | 98.24\% | 193 TO 194 HRS | 0 | 99.99\% |
| 34 TO 35 HRS | 504 | 92.80\% | 114 TO 115 HRS | 0 | 98.24\% | 194 TO 195 HRS | 0 | 99.99\% |
| 35 TO 36 HRS | 755 | 93.03\% | 115 TO 116 HRS | 46 | 98.25\% | 195 TO 196 HRS | 0 | 99.99\% |
| 36 TO 37 HRS | 62 | 93.05\% | 116 TO 117 HRS | 411 | 98.38\% | 196 TO 197 HRS | 0 | 99.99\% |
| 37 TO 38 HRS | 1,372 | 93.46\% | 117 TO 118 HRS | 25 | 98.38\% | 197 TO 198 HRS | 0 | 99.99\% |
| 38 TO 39 HRS | 463 | 93.60\% | 118 TO 119 HRS | 0 | 98.38\% | 198 TO 199 HRS | 24 | 100.00\% |
| 39 TO 40 HRS | 118 | 93.64\% | 119 TO 120 HRS | 0 | 98.38\% | 199 TO 200 HRS | 0 | 100.00\% |
| 40 TO 41 HRS | 143 | 93.68\% | 120 TO 121 HRS | 137 | 98.43\% | 200 TO 201 HRS | 0 | 100.00\% |
| 41 TO 42 HRS | 516 | 93.84\% | 121 TO 122 HRS | 37 | 98.44\% | 201 TO 202 HRS | 0 | 100.00\% |
| 42 TO 43 HRS | 781 | 94.07\% | 122 TO 123 HRS | 21 | 98.44\% | 202 TO 203 HRS | 0 | 100.00\% |
| 43 TO 44 HRS | 547 | 94.24\% | 123 TO 124 HRS | 0 | 98.44\% | 203 TO 204 HRS | 0 | 100.00\% |
| 44 TO 45 HRS | 408 | 94.36\% | 124 TO 125 HRS | 102 | 98.47\% | 204 TO 205 HRS | 0 | 100.00\% |
| 45 TO 46 HRS | 492 | 94.51\% | 125 TO 126 HRS | 68 | 98.49\% | 205 TO 206 HRS | 0 | 100.00\% |
| 46 TO 47 HRS | 919 | 94.79\% | 126 TO 127 HRS | 0 | 98.49\% | 206 TO 207 HRS | 0 | 100.00\% |
| 47 TO 48 HRS | 546 | 94.95\% | 127 TO 128 HRS | 45 | 98.51\% | 207 TO 208 HRS | 0 | 100.00\% |
| 48 TO 49 HRS | 68 | 94.97\% | 128 TO 129 HRS | 58 | 98.53\% | 208 TO 209 HRS | 0 | 100.00\% |
| 49 TO 50 HRS | 175 | 95.03\% | 129 TO 130 HRS | 1 | 98.53\% | 209 TO 210 HRS | 0 | 100.00\% |
| 50 TO 51 HRS | 351 | 95.13\% | 130 TO 131 HRS | 17 | 98.53\% | 210 TO 211 HRS | 2 | 100.00\% |
| 51 TO 52 HRS | 91 | 95.16\% | 131 TO 132 HRS | 0 | 98.53\% | 211 TO 212 HRS | 0 | 100.00\% |
| 52 TO 53 HRS | 48 | 95.18\% | 132 TO 133 HRS | 125 | 98.57\% | 212 TO 213 HRS | 0 | 100.00\% |
| 53 TO 54 HRS | 197 | 95.23\% | 133 TO 134 HRS | 55 | 98.59\% | 213 TO 214 HRS | 0 | 100.00\% |
| 54 TO 55 HRS | 227 | 95.30\% | 134 TO 135 HRS | 79 | 98.61\% | 214 TO 215 HRS | 0 | 100.00\% |
| 55 TO 56 HRS | 548 | 95.47\% | 135 TO 136 HRS | 65 | 98.63\% | 215 TO 216 HRS | 0 | 100.00\% |
| 56 TO 57 HRS | 49 | 95.48\% | 136 TO 137 HRS | 51 | 98.65\% | 216 TO 217 HRS | 0 | 100.00\% |
| 57 TO 58 HRS | 285 | 95.57\% | 137 TO 138 HRS | 36 | 98.66\% | 217 TO 218 HRS | 0 | 100.00\% |
| 58 TO 59 HRS | 259 | 95.65\% | 138 TO 139 HRS | 323 | 98.75\% | 218 TO 219 HRS | 0 | 100.00\% |
| 59 TO 60 HRS | 116 | 95.68\% | 139 TO 140 HRS | 52 | 98.77\% | 219 TO 220 HRS | 0 | 100.00\% |
| 60 TO 61 HRS | 462 | 95.82\% | 140 TO 141 HRS | 54 | 98.79\% | 220 TO 221 HRS | 0 | 100.00\% |
| 61 TO 62 HRS | 208 | 95.89\% | 141 TO 142 HRS | 26 | 98.79\% | 221 TO 222 HRS | 0 | 100.00\% |
| 62 TO 63 HRS | 260 | 95.97\% | 142 TO 143 HRS | 149 | 98.84\% | 222 TO 223 HRS | 0 | 100.00\% |
| 63 TO 64 HRS | 408 | 96.09\% | 143 TO 144 HRS | 11 | 98.84\% | 223 TO 224 HRS | 0 | 100.00\% |
| 64 TO 65 HRS | 141 | 96.13\% | 144 TO 145 HRS | 0 | 98.84\% | 224 TO 225 HRS | 0 | 100.00\% |
| 65 TO 66 HRS | 259 | 96.21\% | 145 TO 146 HRS | 116 | 98.88\% | 225 TO 226 HRS | 0 | 100.00\% |
| 66 TO 67 HRS | 185 | 96.27\% | 146 TO 147 HRS | 0 | 98.88\% | 226 TO 227 HRS | 0 | 100.00\% |
| 67 TO 68 HRS | 109 | 96.30\% | 147 TO 148 HRS | 69 | 98.90\% | 227 TO 228 HRS | 0 | 100.00\% |
| 68 TO 69 HRS | 207 | 96.36\% | 148 TO 149 HRS | 346 | 99.00\% | 228 TO 229 HRS | 0 | 100.00\% |
| 69 TO 70 HRS | 19 | 96.37\% | 149 TO 150 HRS | 71 | 99.02\% | 229 TO 230 HRS | 0 | 100.00\% |
| 70 TO 71 HRS | 20 | 96.37\% | 150 TO 151 HRS | 166 | 99.07\% | 230 TO 231 HRS | 0 | 100.00\% |
| 71 TO 72 HRS | 0 | 96.37\% | 151 TO 152 HRS | 0 | 99.07\% | 231 TO 232 HRS | 0 | 100.00\% |
| 72 TO 73 HRS | 146 | 96.42\% | 152 TO 153 HRS | 59 | 99.09\% | 232 TO 233 HRS | 0 | 100.00\% |
| 73 TO 74 HRS | 136 | 96.46\% | 153 TO 154 HRS | 230 | 99.16\% | 233 TO 234 HRS | 0 | 100.00\% |
| 74 TO 75 HRS | 0 | 96.46\% | 154 TO 155 HRS | 206 | 99.22\% | 234 TO 235 HRS | 0 | 100.00\% |
| 75 TO 76 HRS | 6 | 96.46\% | 155 TO 156 HRS | 199 | 99.28\% | 235 TO 236 HRS | 0 | 100.00\% |
| 76 TO 77 HRS | 1,200 | 96.82\% | 156 TO 157 HRS | 33 | 99.29\% | 236 TO 237 HRS | 0 | 100.00\% |
| 77 TO 78 HRS | 322 | 96.92\% | 157 TO 158 HRS | 44 | 99.31\% | 237 TO 238 HRS | 0 | 100.00\% |
| 78 TO 79 HRS | 72 | 96.94\% | 158 TO 159 HRS | 209 | 99.37\% | 238 TO 239 HRS | 0 | 100.00\% |
| 79 TO 80 HRS | 115 | 96.98\% | 159 TO 160 HRS | 536 | 99.53\% | 239 TO 240 HRS | 0 | 100.00\% |
| 80 TO 81 HRS | 0 | 96.98\% | 160 TO 161 HRS | 51 | 99.55\% | 240 TO 241 HRS | 0 | 100.00\% |
| 81 TO 82 HRS | 129 | 97.02\% | 161 TO 162 HRS | 234 | 99.62\% | 241 TO 242 HRS | 0 | 100.00\% |
| 82 TO 83 HRS | 559 | 97.19\% | 162 TO 163 HRS | 78 | 99.64\% | 242 TO 243 HRS | 0 | 100.00\% |
| 83 TO 84 HRS | 21 | 97.19\% | 163 TO 164 HRS | 91 | 99.67\% | 243 TO 244 HRS | 6 | 100.00\% |
| 84 TO 85 HRS | 96 | 97.22\% | 164 TO 165 HRS | 98 | 99.70\% | 244 TO 245 HRS | 0 | 100.00\% |
| 85 TO 86 HRS | 102 | 97.25\% | 165 TO 166 HRS | 202 | 99.76\% | 245 TO 246 HRS | 0 | 100.00\% |
| 86 TO 87 HRS | 43 | 97.26\% | 166 TO 167 HRS | 0 | 99.76\% | 246 TO 247 HRS | 0 | 100.00\% |
| 87 TO 88 HRS | 45 | 97.28\% | 167 TO 168 HRS | 0 | 99.76\% | 247 TO 248 HRS | 0 | 100.00\% |
| 88 TO 89 HRS | 112 | 97.31\% | 168 TO 169 HRS | 132 | 99.80\% | 248 TO 249 HRS | 0 | 100.00\% |
| 89 TO 90 HRS | 282 | 97.40\% | 169 TO 170 HRS | 7 | 99.80\% | 249 TO 250 HRS | 0 | 100.00\% |
| 90 TO 91 HRS | 370 | 97.51\% | 170 TO 171 HRS | 83 | 99.83\% | 250 TO 251 HRS | 0 | 100.00\% |
| 91 TO 92 HRS | 0 | 97.51\% | 171 TO 172 HRS | 0 | 99.83\% | 251 TO 252 HRS | 0 | 100.00\% |
| 92 TO 93 HRS | 379 | 97.62\% | 172 TO 173 HRS | 0 | 99.83\% | 252 TO 253 HRS | 0 | 100.00\% |
| 93 TO 94 HRS | 125 | 97.66\% | 173 TO 174 HRS | 0 | 99.83\% | 253 TO 254 HRS | 0 | 100.00\% |
| 94 TO 95 HRS | 15 | 97.67\% | 174 TO 175 HRS | 0 | 99.83\% | 254 TO 255 HRS | 0 | 100.00\% |
| 95 TO 96 HRS | 14 | 97.67\% | 175 TO 176 HRS | 0 | 99.83\% | 255 TO 256 HRS | 0 | 100.00\% |
| 96 TO 97 HRS | 0 | 97.67\% | 176 TO 177 HRS | 0 | 99.83\% | 256 TO 257 HRS | 7 | 100.00\% |
| 97 TO 98 HRS | 120 | 97.71\% | 177 TO 178 HRS | 3 | 99.83\% | Total: | 326,828 |  |

## Year 2010 Excludable Major Events:

Of the ten largest events listed in Table 4, the following event met the CPUC definition of a major event.

- January 18-24, 2010.

Table 5 below indicates the number of customers without service at periodic intervals for this event. It should be noted that the number of customer outages segmented by hourly restoration periods requires a level of detail not normally maintained by PG\&E in its central computerized records. The information shown here is what PG\&E has been able to reconstruct from several databases and may have a margin of error of up to $5 \%$. NOTE: The number of customers affected shown in the histogram below shows 1,153,304 customers, which is $1.4 \%$ lower than the 1,169,513 value recorded in PG\&E's OUTAGE database.

Table 5 / Figure 1-2010 Outage Event Duration Summary

| 01/18/2010-01/24/2010 |  |  |
| :---: | :---: | :---: |
| Outage | Customers |  |
| Duration | Affected | Cumulative \% |
| 0 TO 1 HRS | 212,036 | 18.39\% |
| 1 TO 5 HRS | 604,950 | 70.84\% |
| 5 TO 10 HRS | 193,557 | 87.62\% |
| 10 TO 15 HRS | 51,350 | 92.07\% |
| 15 TO 20 HRS | 22,995 | 94.07\% |
| 20 TO 24 HRS | 11,502 | 95.07\% |
| $>=1$ AND <=2 | 38,465 | 98.40\% |
| $>=2$ AND $<=3$ | 10,993 | 99.35\% |
| $>=3$ AND $<=4$ | 3,101 | 99.62\% |
| $>=4$ AND <=5 | 1,889 | 99.79\% |
| $>=5$ AND <=6 | 812 | 99.86\% |
| $>=6$ AND $<=7$ | 245 | 99.88\% |
| $>7$ | 1,409 | 100.00\% |
| Total | 1,153,304 |  |

Table 5 / Figure 2-2010 Outage Event Duration Graph


This storm resulted in 3,147 sustained outages. Approximately 3,830 PG\&E employees responded. In addition, approximately 1,360 individuals (vegetation personnel and contract crews) were utilized to supplement the existing resources.

Of the total customers that experienced outages during this seven-day Excludable Major Event, over 95\% were restored within 24 hours. Approximately $1.6 \%$ of the customers impacted by the storm were without service after 48 hours. This was primarily due to the severity and duration of the storm activity. Restoration to the remaining customers was delayed due to the heavy damage to equipment (poles and conductor) as a result of trees falling on
and through the lines. This was prevalent in the northern and central coast areas. The tables below provide further outage duration detail as well as the damage caused (in term of equipment).

Table 6-2010 Outage Duration Details

|  | Major Event Days:1/18/2010-1/24/2010 |  |  | Major Event Days: 1/18/2010-1/24/2010 |  |  | Major Event Days: 1/18/2010-1/24/2010 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Outage Duration | Customers Restored | Cummulative \% | Outage Duration | Customers Restored | Cummulative \% | Outage Duration | Customers <br> Restored | Cummulative \% |
| 0 TO 1 HRS | 212,036 | 18.39\% | 88 TO 89 HRS | 76 | 99.55\% | 158 TO 159 HRS | 0 | 99.86\% |
| 1 TO 5 HRS | 604,950 | 70.84\% | 89 TO 90 HRS | 143 | 99.57\% | 159 TO 160 HRS | 0 | 99.86\% |
| 5 TO 10 HRS | 193,557 | 87.62\% | 90 TO 91 HRS | 159 | 99.58\% | 160 TO 161 HRS | 0 | 99.86\% |
| 10 TO 15 HRS | 51,350 | 92.07\% | 91 TO 92 HRS | 33 | 99.58\% | 161 TO 162 HRS | 63 | 99.87\% |
| 15 TO 20 HRS | 22,995 | 94.07\% | 92 TO 93 HRS | 0 | 99.58\% | 162 TO 163 HRS | 0 | 99.87\% |
| 20 TO 24 HRS | 11,502 | 95.07\% | 93 TO 94 HRS | 81 | 99.59\% | 163 TO 164 HRS | 26 | 99.87\% |
| 24 TO 25 HRS | 2,942 | 95.32\% | 94 TO 95 HRS | 131 | 99.60\% | 164 TO 165 HRS | 0 | 99.87\% |
| 25 TO 26 HRS | 1,705 | 95.47\% | 95 TO 96 HRS | 242 | 99.62\% | 165 TO 166 HRS | 61 | 99.87\% |
| 26 TO 27 HRS | 3,935 | 95.81\% | 96 TO 97 HRS | 558 | 99.67\% | 166 TO 167 HRS | 25 | 99.88\% |
| 27 TO 28 HRS | 3,071 | 96.08\% | 97 TO 98 HRS | 28 | 99.67\% | 167 TO 168 HRS | 14 | 99.88\% |
| 28 TO 29 HRS | 3,139 | 96.35\% | 98 TO 99 HRS | 10 | 99.67\% | 168 TO 169 HRS | 145 | 99.89\% |
| 29 TO 30 HRS | 3,508 | 96.65\% | 99 TO 100 HRS | 39 | 99.68\% | 169 TO 170 HRS | 0 | 99.89\% |
| 30 TO 31 HRS | 1,345 | 96.77\% | 100 TO 101 HRS | 22 | 99.68\% | 170 TO 171 HRS | 7 | 99.89\% |
| 31 TO 32 HRS | 1,630 | 96.91\% | 101 TO 102 HRS | 301 | 99.71\% | 171 TO 172 HRS | 423 | 99.93\% |
| 32 TO 33 HRS | 1,818 | 97.07\% | 102 TO 103 HRS | 194 | 99.72\% | 172 TO 173 HRS | 0 | 99.93\% |
| 33 TO 34 HRS | 2,557 | 97.29\% | 103 TO 104 HRS | 110 | 99.73\% | 173 TO 174 HRS | 0 | 99.93\% |
| 34 TO 35 HRS | 877 | 97.37\% | 104 TO 105 HRS | 10 | 99.73\% | 174 TO 175 HRS | 26 | 99.93\% |
| 35 TO 36 HRS | 1,031 | 97.45\% | 105 TO 106 HRS | 0 | 99.73\% | 175 TO 176 HRS | 0 | 99.93\% |
| 36 TO 37 HRS | 1,430 | 97.58\% | 106 TO 107 HRS | 0 | 99.73\% | 176 TO 177 HRS | 0 | 99.93\% |
| 37 TO 38 HRS | 1,119 | 97.68\% | 107 TO 108 HRS | 96 | 99.74\% | 177 TO 178 HRS | 0 | 99.93\% |
| 38 TO 39 HRS | 773 | 97.74\% | 108 TO 109 HRS | 4 | 99.74\% | 178 TO 179 HRS | 2 | 99.93\% |
| 39 TO 40 HRS | 1,221 | 97.85\% | 109 TO 110 HRS | 108 | 99.75\% | 179 TO 180 HRS | 0 | 99.93\% |
| 40 TO 41 HRS | 653 | 97.91\% | 110 TO 111 HRS | 0 | 99.75\% | 180 TO 181 HRS | 0 | 99.93\% |
| 41 TO 42 HRS | 552 | 97.95\% | 111 TO 112 HRS | 0 | 99.75\% | 181 TO 182 HRS | 0 | 99.93\% |
| 42 TO 43 HRS | 1,837 | 98.11\% | 112 TO 113 HRS | 0 | 99.75\% | 182 TO 183 HRS | 0 | 99.93\% |
| 43 TO 44 HRS | 902 | 98.19\% | 113 TO 114 HRS | 8 | 99.75\% | 183 TO 184 HRS | 0 | 99.93\% |
| 44 TO 45 HRS | 243 | 98.21\% | 114 TO 115 HRS | 230 | 99.77\% | 184 TO 185 HRS | 0 | 99.93\% |
| 45 TO 46 HRS | 309 | 98.24\% | 115 TO 116 HRS | 145 | 99.78\% | 185 TO 186 HRS | 0 | 99.93\% |
| 46 TO 47 HRS | 1,181 | 98.34\% | 116 TO 117 HRS | 0 | 99.78\% | 186 TO 187 HRS | 0 | 99.93\% |
| 47 TO 48 HRS | 687 | 98.40\% | 117 TO 118 HRS | 12 | 99.78\% | 187 TO 188 HRS | 0 | 99.93\% |
| 48 TO 49 HRS | 358 | 98.43\% | 118 TO 119 HRS | 8 | 99.79\% | 188 TO 189 HRS | 0 | 99.93\% |
| 49 TO 50 HRS | 355 | 98.46\% | 119 TO 120 HRS | 6 | 99.79\% | 189 TO 190 HRS | 0 | 99.93\% |
| 50 TO 51 HRS | 839 | 98.53\% | 120 TO 121 HRS | 16 | 99.79\% | 190 TO 191 HRS | 0 | 99.93\% |
| 51 TO 52 HRS | 675 | 98.59\% | 121 TO 122 HRS | 11 | 99.79\% | 191 TO 192 HRS | 0 | 99.93\% |
| 52 TO 53 HRS | 293 | 98.62\% | 122 TO 123 HRS | 156 | 99.80\% | 192 TO 193 HRS | 0 | 99.93\% |
| 53 TO 54 HRS | 198 | 98.64\% | 123 TO 124 HRS | 1 | 99.80\% | 193 TO 194 HRS | 0 | 99.93\% |
| 54 TO 55 HRS | 1,481 | 98.76\% | 124 TO 125 HRS | 8 | 99.80\% | 194 TO 195 HRS | 0 | 99.93\% |
| 55 TO 56 HRS | 1,226 | 98.87\% | 125 TO 126 HRS | 84 | 99.81\% | 195 TO 196 HRS | 0 | 99.93\% |
| 56 TO 57 HRS | 157 | 98.88\% | 126 TO 127 HRS | 0 | 99.81\% | 196 TO 197 HRS | 0 | 99.93\% |
| 57 TO 58 HRS | 674 | 98.94\% | 127 TO 128 HRS | 58 | 99.82\% | 197 TO 198 HRS | 0 | 99.93\% |
| 58 TO 59 HRS | 956 | 99.03\% | 128 TO 129 HRS | 34 | 99.82\% | 198 TO 199 HRS | 7 | 99.93\% |
| 59 TO 60 HRS | 273 | 99.05\% | 129 TO 130 HRS | 7 | 99.82\% | 199 TO 200 HRS | 0 | 99.93\% |
| 60 TO 61 HRS | 839 | 99.12\% | 130 TO 131 HRS | 0 | 99.82\% | 200 TO 201 HRS | 0 | 99.93\% |
| 61 TO 62 HRS | 158 | 99.14\% | 131 TO 132 HRS | 3 | 99.82\% | 201 TO 202 HRS | 3 | 99.93\% |
| 62 TO 63 HRS | 655 | 99.19\% | 132 TO 133 HRS | 0 | 99.82\% | 202 TO 203 HRS | 115 | 99.94\% |
| 63 TO 64 HRS | 459 | 99.23\% | 133 TO 134 HRS | 29 | 99.82\% | 203 TO 204 HRS | 0 | 99.94\% |
| 64 TO 65 HRS | 273 | 99.26\% | 134 TO 135 HRS | 0 | 99.82\% | 204 TO 205 HRS | 0 | 99.94\% |
| 65 TO 66 HRS | 240 | 99.28\% | 135 TO 136 HRS | 98 | 99.83\% | 205 TO 206 HRS | 0 | 99.94\% |
| 66 TO 67 HRS | 325 | 99.31\% | 136 TO 137 HRS | 19 | 99.83\% | 206 TO 207 HRS | 0 | 99.94\% |
| 67 TO 68 HRS | 68 | 99.31\% | 137 TO 138 HRS | 16 | 99.83\% | 207 TO 208 HRS | 321 | 99.97\% |
| 68 TO 69 HRS | 51 | 99.32\% | 138 TO 139 HRS | 136 | 99.84\% | 208 TO 209 HRS | 0 | 99.97\% |
| 69 TO 70 HRS | 126 | 99.33\% | 139 TO 140 HRS | 0 | 99.84\% | 209 TO 210 HRS | 166 | 99.98\% |
| 70 TO 71 HRS | 57 | 99.33\% | 140 TO 141 HRS | 36 | 99.85\% | 210 TO 269 HRS | 0 | 99.98\% |
| 71 TO 72 HRS | 257 | 99.35\% | 141 TO 142 HRS | 8 | 99.85\% | 269 TO 270 HRS | 0 | 99.98\% |
| 72 TO 73 HRS | 46 | 99.36\% | 142 TO 143 HRS | 0 | 99.85\% | 270 TO 271 HRS | 0 | 99.98\% |
| 73 TO 74 HRS | 218 | 99.38\% | 143 TO 144 HRS | 92 | 99.86\% | 271 TO 272 HRS | 53 | 99.99\% |
| 74 TO 75 HRS | 17 | 99.38\% | 144 TO 145 HRS | 8 | 99.86\% | 272 TO 273 HRS | 0 | 99.99\% |
| 75 TO 76 HRS | 22 | 99.38\% | 145 TO 146 HRS | 13 | 99.86\% | 273 TO 274 HRS | 0 | 99.99\% |
| 76 TO 77 HRS | 15 | 99.38\% | 146 TO 147 HRS | 35 | 99.86\% | 274 TO 275 HRS | 0 | 99.99\% |
| 77 TO 78 HRS | 46 | 99.39\% | 147 TO 148 HRS | 0 | 99.86\% | 275 TO 276 HRS | 0 | 99.99\% |
| 78 TO 79 HRS | 74 | 99.39\% | 148 TO 149 HRS | 0 | 99.86\% | 276 TO 277 HRS | 0 | 99.99\% |
| 79 TO 80 HRS | 213 | 99.41\% | 149 TO 150 HRS | 0 | 99.86\% | 277 TO 278 HRS | 0 | 99.99\% |
| 80 TO 81 HRS | 86 | 99.42\% | 150 TO 151 HRS | 0 | 99.86\% | 278 TO 279 HRS | 0 | 99.99\% |
| 81 TO 82 HRS | 169 | 99.43\% | 151 TO 152 HRS | 0 | 99.86\% | 279 TO 280 HRS | 0 | 99.99\% |
| 82 TO 83 HRS | 123 | 99.44\% | 152 TO 153 HRS | 0 | 99.86\% | 280 TO 281 HRS | 0 | 99.99\% |
| 83 TO 84 HRS | 0 | 99.44\% | 153 TO 154 HRS | 0 | 99.86\% | 281 TO 282 HRS | 2 | 99.99\% |
| 84 TO 85 HRS | 52 | 99.45\% | 154 TO 155 HRS | 0 | 99.86\% | 282 TO 296 HRS | 0 | 99.99\% |
| 85 TO 86 HRS | 294 | 99.47\% | 155 TO 156 HRS | 0 | 99.86\% | 296 TO 297 HRS | 0 | 99.99\% |
| 86 TO 87 HRS | 102 | 99.48\% | 156 TO 157 HRS | 0 | 99.86\% | 297 TO 298 HRS | 0 | 99.99\% |
| 87 TO 88 HRS | 759 | 99.55\% | 157 TO 158 HRS | 0 | 99.86\% | 298 TO 299 HRS | 125 | 100.00\% |
|  |  |  |  |  |  | 299 TO 300 HRS | 0 | 100.00\% |
|  |  |  |  |  |  | 300 TO 495 HRS | 0 | 100.00\% |
|  |  |  |  |  |  | 495 TO 496 HRS | 0 | 100.00\% |
|  |  |  |  |  |  | 496 TO 497 HRS | 14 | 100.00\% |
|  |  |  |  |  |  | 497 TO 498 HRS | 0 | 100.00\% |
|  |  |  |  |  |  | 498 TO 499 HRS | 0 | 100.00\% |
|  |  |  |  |  |  | 499 TO 500 HRS | 0 | 100.00\% |
|  |  |  |  |  |  | $>500$ HRS | 0 | 100.00\% |
|  |  |  |  |  |  | Total | 1,153,304 |  |

Of the ten largest events listed in Table 4, the following event met the CPUC definition of a major event.

Year 2009 Excludable Major Events:

- October 13-14, 2009.

The Table 5 below indicates the number of customers without service at periodic intervals for this event. It should be noted that the number of customer outages segmented by hourly restoration periods requires a level of detail not normally maintained by PG\&E in its central computerized records. The information shown here is what PG\&E has been able to reconstruct from several databases and may have a margin of error of up to $5 \%$. NOTE: The number of customers affected shown in the histogram below shows 612,019 customers, which is $0.9 \%$ lower than the 617,589 value recorded in PG\&E's OUTAGE database.

Table 5 / Figure 1-2009 Outage Event Duration Summary

| 10/13/2009-10/14/2009 |  |  |
| :---: | :---: | :---: |
| Outage Duration | Customers Affected | Cumulative \% |
| 0 TO 1 HRS | 81,010 | 13.2\% |
| 1 TO 5 HRS | 315,520 | 64.8\% |
| 5 TO 10 HRS | 99,270 | 81.0\% |
| 10 TO 15 HRS | 38,176 | 87.2\% |
| 15 TO 20 HRS | 25,305 | 91.4\% |
| 20 TO 24 HRS | 16,424 | 94.1\% |
| $>=1$ AND <=2 | 33,179 | 99.5\% |
| $>=2$ AND <=3 | 2,876 | 100.0\% |
| $>=3$ AND <=4 | 253 | 100.0\% |
| $>=4$ AND <=5 |  | 100.0\% |
| $>=5$ AND <=6 | 0 | 100.0\% |
| $>=6$ AND <=7 | 0 | 100.0\% |
| $>7$ | 6 | 100.0\% |
| Total | 612,019 |  |

Table 5 / Figure 2-2009 Outage Event Duration Graph


Table 6-2009 Outage Duration Details

|  | Major E <br> 10/13/09 | nt Days: 10/14/09 |  | Major <br> 10/13/0 | nt Days: 10/14/09 |  | Major <br> 10/13/ | nt Days: 10/14/09 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Outage Duration | $\begin{aligned} & \hline \text { Customers } \\ & \text { Restored } \end{aligned}$ | Cumulative \% | Outage Duration | Customers Restored | Cumulative \% | Outage Duration | Customers Restored | Cumulative \% |
| 0 TO 1 HRS | 81,010 | 13.24\% | 48 TO 49 HRS | 211 | 99.52\% | 78 TO 79 HRS | 0 | 100.00\% |
| 1 TO 5 HRS | 315,520 | 64.79\% | 49 TO 50 HRS | 336 | 99.58\% | 79 TO 80 HRS | 9 | 100.00\% |
| 5 TO 10 HRS | 99,270 | 81.01\% | 50 TO 51 HRS | 599 | 99.68\% | 80 TO 81 HRS | 2 | 100.00\% |
| 10 TO 15 HRS | 38,176 | 87.25\% | 51 TO 52 HRS | 133 | 99.70\% | 81 TO 82 HRS | 0 | 100.00\% |
| 15 TO 20 HRS | 25,305 | 91.38\% | 52 TO 53 HRS | 175 | 99.73\% | 82 TO 83 HRS | 0 | 100.00\% |
| 20 TO 24 HRS | 16,424 | 94.07\% | 53 TO 54 HRS | 20 | 99.73\% | 83 TO 84 HRS | 0 | 100.00\% |
| 24 TO 25 HRS | 3,429 | 94.63\% | 54 TO 55 HRS | 114 | 99.75\% | 84 TO 85 HRS | 0 | 100.00\% |
| 25 TO 26 HRS | 2,199 | 94.99\% | 55 TO 56 HRS | 312 | 99.80\% | 85 TO 86 HRS | 0 | 100.00\% |
| 26 TO 27 HRS | 2,235 | 95.35\% | 56 TO 57 HRS | 181 | 99.83\% | 86 TO 87 HRS | 0 | 100.00\% |
| 27 TO 28 HRS | 1,857 | 95.65\% | 57 TO 58 HRS | 149 | 99.85\% | 87 TO 88 HRS | 0 | 100.00\% |
| 28 TO 29 HRS | 3,381 | 96.21\% | 58 TO 59 HRS | 156 | 99.88\% | 88 TO 89 HRS | 0 | 100.00\% |
| 29 TO 30 HRS | 804 | 96.34\% | 59 TO 60 HRS | 37 | 99.88\% | 89 TO 90 HRS | 0 | 100.00\% |
| 30 TO 31 HRS | 1,289 | 96.55\% | 60 TO 61 HRS | 2 | 99.88\% | 90 TO 91 HRS | 0 | 100.00\% |
| 31 TO 32 HRS | 2,790 | 97.00\% | 61 TO 62 HRS | 19 | 99.89\% | 91 TO 92 HRS | 0 | 100.00\% |
| 32 TO 33 HRS | 2,449 | 97.41\% | 62 TO 63 HRS | 29 | 99.89\% | 92 TO 93 HRS | 0 | 100.00\% |
| 33 TO 34 HRS | 1,244 | 97.61\% | 63 TO 64 HRS | 8 | 99.89\% | 93 TO 94 HRS | 0 | 100.00\% |
| 34 TO 35 HRS | 592 | 97.71\% | 64 TO 65 HRS | 72 | 99.90\% | 94 TO 95 HRS | 0 | 100.00\% |
| 35 TO 36 HRS | 1,558 | 97.96\% | 65 TO 66 HRS | 76 | 99.92\% | 95 TO 96 HRS | 0 | 100.00\% |
| 36 TO 37 HRS | 544 | 98.05\% | 66 TO 67 HRS | 5 | 99.92\% | 96 TO 97 HRS | 0 | 100.00\% |
| 37 TO 38 HRS | 4,407 | 98.77\% | 67 TO 68 HRS | 0 | 99.92\% | 97 TO 98 HRS | 0 | 100.00\% |
| 38 TO 39 HRS | 98 | 98.78\% | 68 TO 69 HRS | 13 | 99.92\% | 98 TO 99 HRS | 0 | 100.00\% |
| 39 TO 40 HRS | 418 | 98.85\% | 69 TO 70 HRS | 57 | 99.93\% | 99 TO 100 HRS | 0 | 100.00\% |
| 40 TO 41 HRS | 487 | 98.93\% | 70 TO 71 HRS | 139 | 99.95\% | 100 TO 101 HRS | 0 | 100.00\% |
| 41 TO 42 HRS | 958 | 99.09\% | 71 TO 72 HRS | 33 | 99.96\% | 101 TO 102 HRS | 0 | 100.00\% |
| 42 TO 43 HRS | 109 | 99.11\% | 72 TO 73 HRS | 29 | 99.96\% | 102 TO 103 HRS | 0 | 100.00\% |
| 43 TO 44 HRS | 364 | 99.17\% | 73 TO 74 HRS | 71 | 99.97\% | 103 TO 104 HRS | 0 | 100.00\% |
| 44 TO 45 HRS | 661 | 99.27\% | 74 TO 75 HRS | 15 | 99.98\% | 104 TO 105 HRS | 0 | 100.00\% |
| 45 TO 46 HRS | 120 | 99.29\% | 75 TO 76 HRS | 2 | 99.98\% | 105 TO 106 HRS | 0 | 100.00\% |
| 46 TO 47 HRS | 640 | 99.40\% | 76 TO 77 HRS | 70 | 99.99\% | 106 TO 107 HRS | 0 | 100.00\% |
| 47 TO 48 HRS | 546 | 99.49\% | 77 TO 78 HRS | 55 | 100.00\% | 107 TO 108 HRS | 0 | 100.00\% |
|  |  |  |  |  |  | 108 TO 109 HRS | 0 | 100.00\% |
|  |  |  |  |  |  | 109 TO 110 HRS | 0 | 100.00\% |
|  |  |  |  |  |  | > 110 HRS | 0 | 100.00\% |
|  |  |  |  |  |  | Total | 612,019 |  |

## Year 2008 Excludable Major Events:

Of the ten largest events listed in Table 4, the following event met the CPUC definition of a major event.

- January 3-6, 2008.

The following table in this section indicates the number of customers without service at periodic intervals for this event. It should be noted that the number of customer outages segmented by hourly restoration periods requires a level of detail not normally maintained by PG\&E in its central computerized records. The information shown here is what PG\&E has been able to reconstruct from several databases and may have a margin of error of up to $5 \%$.

Table 5 / Figure 1-2008 Outage Event Duration Summary

| 01/03/08-01/06/08 |  |  |
| :---: | :---: | :---: |
| Outage Duration | Customers Affected | Cumulative \% |
| 0 TO 1 HRS | 224,252 | 13.74\% |
| 1 TO 5 HRS | 533,773 | 46.45\% |
| 5 TO 10 HRS | 298,698 | 64.76\% |
| 10 TO 15 HRS | 158,013 | 74.44\% |
| 15 TO 20 HRS | 85,411 | 79.68\% |
| 20 TO 24 HRS | 49,110 | 82.69\% |
| $>=1$ AND <=2 | 173,136 | 93.30\% |
| $>=2$ AND <=3 | 55,960 | 96.73\% |
| $>=3$ AND <=4 | 30,504 | 98.60\% |
| $>=4$ AND <=5 | 12,588 | 99.37\% |
| $>=5$ AND <=6 | 7,732 | 99.84\% |
| $>=6$ AND $<=7$ | 1,960 | 99.96\% |
| > 7 | 628 | 100.00\% |
| Total | 1,631,765 |  |

Table 5 / Figure 2-2008 Outage Event Duration Graph


Table 6-2008 Outage Duration Details

|  | $\begin{array}{r} \hline \text { Major Evє } \\ \text { 1/3/08 } \\ \hline \end{array}$ | $\begin{aligned} & \text { ent Days: } \\ & -1 / 6 / 08 \\ & \hline \end{aligned}$ |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Outage <br> Duration | Customers Restored | Cumulative \% | Outage Duration | Customers Restored | Cum ulative \% | Outage Duration | Customers Restored | Cum ulative \% | Outage Duration | Customers Restored | Cumulative \% |
| 0 TO 1 HRS | 224,236 | 13.95\% | 93 TO 94 HRS | 646 | 100.04\% | 168 TO 169 HRS | 65 | 101.47\% | 243 TO 244 HRS | 0 | 101.50\% |
| 1 TO 5 HRS | 533,675 | 47.15\% | 94 TO 95 HRS | 295 | 100.06\% | 169 TO 170 HRS | 27 | 101.47\% | 244 TO 245 HRS | 0 | 101.50\% |
| 5 TO 10 HRS | 298,692 | 65.73\% | 95 TO 96 HRS | 304 | 100.08\% | 170 TO 171 HRS | 13 | 101.47\% | 245 TO 246 HRS | 0 | 101.50\% |
| 10 TO 15 HRS | 158,001 | 75.56\% | 96 TO 97 HRS | 247 | 100.09\% | 171 TO 172 HRS | 0 | 101.47\% | 246 TO 247 HRS | 0 | 101.50\% |
| 15 TO 20 HRS | 85,407 | 80.88\% | 97 TO 98 HRS | 636 | 100.13\% | 172 TO 173 HRS | 13 | 101.47\% | 247 TO 248 HRS | 0 | 101.50\% |
| 20 TO 24 HRS | 49,085 | 83.93\% | 98 TO 99 HRS | 1,253 | 100.21\% | 173 TO 174 HRS | 2 | 101.47\% | 248 TO 249 HRS | 0 | 101.50\% |
| 24 TO 25 HRS | 14,291 | 84.82\% | 99 TO 100 HRS | 656 | 100.25\% | 174 TO 175 HRS | 8 | 101.47\% | 249 TO 250 HRS | 0 | 101.50\% |
| 25 TO 26 HRS | 7,281 | 85.27\% | 100 TO 101 HRS | 1,052 | 100.32\% | 175 TO 176 HRS | 6 | 101.47\% | 250 TO 251 HRS | 0 | 101.50\% |
| 26 TO 27 HRS | 16,482 | 86.30\% | 101 TO 102 HRS | 1,546 | 100.41\% | 176 TO 177 HRS | 38 | 101.47\% | 251 TO 252 HRS | 0 | 101.50\% |
| 27 TO 28 HRS | 11,957 | 87.04\% | 102 TO 103 HRS | 676 | 100.45\% | 177 TO 178 HRS | 0 | 101.47\% | 252 TO 253 HRS | 0 | 101.50\% |
| 28 TO 29 HRS | 16,705 | 88.08\% | 103 TO 104 HRS | 820 | 100.51\% | 178 TO 179 HRS | 0 | 101.47\% | 253 TO 254 HRS | 0 | 101.50\% |
| 29 TO 30 HRS | 7,478 | 88.54\% | 104 TO 105 HRS | 691 | 100.55\% | 179 TO 180 HRS | 0 | 101.47\% | 254 TO 255 HRS | 0 | 101.50\% |
| 30 TO 31 HRS | 14,566 | 89.45\% | 105 TO 106 HRS | 501 | 100.58\% | 180 TO 181 HRS | 0 | 101.47\% | 255 TO 256 HRS | 0 | 101.50\% |
| 31 TO 32 HRS | 8,893 | 90.00\% | 106 TO 107 HRS | 594 | 100.62\% | 181 TO 182 HRS | 32 | 101.48\% | 256 TO 257 HRS | 0 | 101.50\% |
| 32 TO 33 HRS | 6,934 | 90.44\% | 107 TO 108 HRS | 820 | 100.67\% | 182 TO 183 HRS | 0 | 101.48\% | 257 TO 258 HRS | 0 | 101.50\% |
| 33 TO 34 HRS | 5,724 | 90.79\% | 108 TO 109 HRS | 230 | 100.68\% | 183 TO 184 HRS | 0 | 101.48\% | 258 TO 259 HRS | 0 | 101.50\% |
| 34 TO 35 HRS | 6,208 | 91.18\% | 109 TO 110 HRS | 231 | 100.70\% | 184 TO 185 HRS | 0 | 101.48\% | 259 TO 260 HRS | 46 | 101.50\% |
| 35 TO 36 HRS | 7,496 | 91.64\% | 110 TO 111 HRS | 204 | 100.71\% | 185 TO 186 HRS | 4 | 101.48\% | 260 TO 261 HRS | 0 | 101.50\% |
| 36 TO 37 HRS | 8,359 | 92.16\% | 111 TO 112 HRS | 356 | 100.73\% | 186 TO 187 HRS | 2 | 101.48\% | 261 TO 262 HRS | 0 | 101.50\% |
| 37 TO 38 HRS | 8,046 | 92.66\% | 112 TO 113 HRS | 423 | 100.76\% | 187 TO 188 HRS | 0 | 101.48\% | 262 TO 263 HRS | 38 | 101.50\% |
| 38 TO 39 HRS | 6,875 | 93.09\% | 113 TO 114 HRS | 148 | 100.77\% | 188 TO 189 HRS | 0 | 101.48\% | 263 TO 264 HRS | 0 | 101.50\% |
| 39 TO 40 HRS | 3,971 | 93.34\% | 114 TO 115 HRS | 117 | 100.77\% | 189 TO 190 HRS | 0 | 101.48\% | 264 TO 265 HRS | 0 | 101.50\% |
| 40 TO 41 HRS | 2,213 | 93.48\% | 115 TO 116 HRS | 107 | 100.78\% | 190 TO 191 HRS | 0 | 101.48\% | 265 TO 266 HRS | 0 | 101.50\% |
| 41 TO 42 HRS | 4,531 | 93.76\% | 116 TO 117 HRS | 544 | 100.81\% | 191 TO 192 HRS | 135 | 101.48\% | 266 TO 267 HRS | 0 | 101.50\% |
| 42 TO 43 HRS | 4,518 | 94.04\% | 117 TO 118 HRS | 61 | 100.82\% | 192 TO 193 HRS | 0 | 101.48\% | 267 TO 268 HRS | 0 | 101.50\% |
| 43 TO 44 HRS | 3,409 | 94.25\% | 118 TO 119 HRS | 105 | 100.83\% | 193 TO 194 HRS | 0 | 101.48\% | 268 TO 269 HRS | 0 | 101.50\% |
| 44 TO 45 HRS | 729 | 94.30\% | 119 TO 120 HRS | 570 | 100.86\% | 194 TO 195 HRS | 12 | 101.48\% | 269 TO 270 HRS | 0 | 101.50\% |
| 45 TO 46 HRS | 833 | 94.35\% | 120 TO 121 HRS | 614 | 100.90\% | 195 TO 196 HRS | 26 | 101.49\% | 270 TO 271 HRS | 0 | 101.50\% |
| 46 TO 47 HRS | 3,037 | 94.54\% | 121 TO 122 HRS | 277 | 100.92\% | 196 TO 197 HRS | 21 | 101.49\% | 271 TO 272 HRS | 0 | 101.50\% |
| 47 TO 48 HRS | 2,579 | 94.70\% | 122 TO 123 HRS | 335 | 100.94\% | 197 TO 198 HRS | 0 | 101.49\% | 272 TO 273 HRS | 0 | 101.50\% |
| 48 TO 49 HRS | 2,952 | 94.88\% | 123 TO 124 HRS | 142 | 100.95\% | 198 TO 199 HRS | 26 | 101.49\% | 273 TO 274 HRS | 0 | 101.50\% |
| 49 TO 50 HRS | 1,297 | 94.96\% | 124 TO 125 HRS | 592 | 100.98\% | 199 TO 200 HRS | 1 | 101.49\% | 274 TO 275 HRS | 0 | 101.50\% |
| 50 TO 51 HRS | 1,575 | 95.06\% | 125 TO 126 HRS | 518 | 101.01\% | 200 TO 201 HRS | 0 | 101.49\% | 275 TO 276 HRS | 0 | 101.50\% |
| 51 TO 52 HRS | 3,236 | 95.26\% | 126 TO 127 HRS | 503 | 101.05\% | 201 TO 202 HRS | 27 | 101.49\% | 276 TO 277 HRS | 0 | 101.50\% |
| 52 TO 53 HRS | 5,199 | 95.59\% | 127 TO 128 HRS | 341 | 101.07\% | 202 TO 203 HRS | 0 | 101.49\% | 277 TO 278 HRS | 0 | 101.50\% |
| 53 TO 54 HRS | 3,310 | 95.79\% | 128 TO 129 HRS | 545 | 101.10\% | 203 TO 204 HRS | 0 | 101.49\% | 278 TO 279 HRS | 0 | 101.50\% |
| 54 TO 55 HRS | 5,085 | 96.11\% | 129 TO 130 HRS | 186 | 101.11\% | 204 TO 205 HRS | 4 | 101.49\% | 279 TO 280 HRS | 0 | 101.50\% |
| 55 TO 56 HRS | 4,535 | 96.39\% | 130 TO 131 HRS | 264 | 101.13\% | 205 TO 206 HRS | 0 | 101.49\% | 280 TO 281 HRS | 0 | 101.50\% |
| 56 TO 57 HRS | 2,805 | 96.56\% | 131 TO 132 HRS | 551 | 101.16\% | 206 TO 207 HRS | 0 | 101.49\% | 281 TO 282 HRS | 0 | 101.50\% |
| 57 TO 58 HRS | 1,906 | 96.68\% | 132 TO 133 HRS | 42 | 101.17\% | 207 TO 208 HRS | 0 | 101.49\% | 282 TO 283 HRS | 0 | 101.50\% |
| 58 TO 59 HRS | 4,303 | 96.95\% | 133 TO 134 HRS | 527 | 101.20\% | 208 TO 209 HRS | 0 | 101.49\% | 283 TO 284 HRS | 0 | 101.50\% |
| 59 TO 60 HRS | 2,836 | 97.13\% | 134 TO 135 HRS | 130 | 101.21\% | 209 TO 210 HRS | 0 | 101.49\% | 284 TO 285 HRS | 0 | 101.50\% |
| 60 TO 61 HRS | 808 | 97.18\% | 135 TO 136 HRS | 433 | 101.23\% | 210 TO 211 HRS | 0 | 101.49\% | 285 TO 286 HRS | 0 | 101.50\% |
| 61 TO 62 HRS | 1,356 | 97.26\% | 136 TO 137 HRS | 281 | 101.25\% | 211 TO 212 HRS | 0 | 101.49\% | 286 TO 287 HRS | 0 | 101.50\% |
| 62 TO 63 HRS | 2,156 | 97.40\% | 137 TO 138 HRS | 282 | 101.27\% | 212 TO 213 HRS | 0 | 101.49\% | 287 TO 288 HRS | 0 | 101.50\% |
| 63 TO 64 HRS | 1,445 | 97.49\% | 138 TO 139 HRS | 427 | 101.30\% | 213 TO 214 HRS | 0 | 101.49\% | 288 TO 289 HRS | 0 | 101.50\% |
| 64 TO 65 HRS | 1,487 | 97.58\% | 139 TO 140 HRS | 3 | 101.30\% | 214 TO 215 HRS | 33 | 101.49\% | 289 TO 290 HRS | 8 | 101.50\% |
| 65 TO 66 HRS | 1,223 | 97.65\% | 140 TO 141 HRS | 114 | 101.30\% | 215 TO 216 HRS | 0 | 101.49\% | 290 TO 291 HRS | 0 | 101.50\% |
| 66 TO 67 HRS | 3,131 | 97.85\% | 141 TO 142 HRS | 105 | 101.31\% | 216 TO 217 HRS | 0 | 101.49\% | 291 TO 292 HRS | 0 | 101.50\% |
| 67 TO 68 HRS | 741 | 97.90\% | 142 TO 143 HRS | 51 | 101.31\% | 217 TO 218 HRS | 0 | 101.49\% | 292 TO 293 HRS | 0 | 101.50\% |
| 68 TO 69 HRS | 1,066 | 97.96\% | 143 TO 144 HRS | 455 | 101.34\% | 218 TO 219 HRS | 0 | 101.49\% | 293 TO 294 HRS | 0 | 101.50\% |
| 69 TO 70 HRS | 1,431 | 98.05\% | 144 TO 145 HRS | 117 | 101.35\% | 219 TO 220 HRS | 0 | 101.49\% | 294 TO 295 HRS | 0 | 101.50\% |
| 70 TO 71 HRS | 621 | 98.09\% | 145 TO 146 HRS | 20 | 101.35\% | 220 TO 221 HRS | 0 | 101.49\% | 295 TO 296 HRS | 0 | 101.50\% |
| 71 TO 72 HRS | 1,452 | 98.18\% | 146 TO 147 HRS | 127 | 101.36\% | 221 TO 222 HRS | 0 | 101.49\% | 296 TO 297 HRS | 0 | 101.50\% |
| 72 TO 73 HRS | 1,002 | 98.24\% | 147 TO 148 HRS | 107 | 101.36\% | 222 TO 223 HRS | 0 | 101.49\% | 297 TO 298 HRS | 0 | 101.50\% |
| 73 TO 74 HRS | 866 | 98.30\% | 148 TO 149 HRS | 123 | 101.37\% | 223 TO 224 HRS | 0 | 101.49\% | 298 TO 299 HRS | 0 | 101.50\% |
| 74 TO 75 HRS | 2,047 | 98.42\% | 149 TO 150 HRS | 371 | 101.39\% | 224 TO 225 HRS | 0 | 101.49\% | 299 TO 300 HRS | 0 | 101.50\% |
| 75 TO 76 HRS | 2,303 | 98.57\% | 150 TO 151 HRS | 527 | 101.43\% | 225 TO 226 HRS | 0 | 101.49\% | > 300 HRS | 0 | 101.50\% |
| 76 TO 77 HRS | 2,170 | 98.70\% | 151 TO 152 HRS | 68 | 101.43\% | 226 TO 227 HRS | 0 | 101.49\% | Total | 1,607,425 |  |
| 77 TO 78 HRS | 1,863 | 98.82\% | 152 TO 153 HRS | 171 | 101.44\% | 227 TO 228 HRS | 0 | 101.49\% |  |  |  |
| 78 TO 79 HRS | 2,916 | 99.00\% | 153 TO 154 HRS | 53 | 101.45\% | 228 TO 229 HRS | 0 | 101.49\% |  |  |  |
| 79 TO 80 HRS | 1,867 | 99.12\% | 154 TO 155 HRS | 78 | 101.45\% | 229 TO 230 HRS | 0 | 101.49\% |  |  |  |
| 80 TO 81 HRS | 1,198 | 99.19\% | 155 TO 156 HRS | 31 | 101.45\% | 230 TO 231 HRS | 0 | 101.49\% |  |  |  |
| 81 TO 82 HRS | 2,400 | 99.34\% | 156 TO 157 HRS | 36 | 101.45\% | 231 TO 232 HRS | 0 | 101.49\% |  |  |  |
| 82 TO 83 HRS | 1,610 | 99.44\% | 157 TO 158 HRS | 3 | 101.45\% | 232 TO 233 HRS | 0 | 101.49\% |  |  |  |
| 83 TO 84 HRS | 1,655 | 99.54\% | 158 TO 159 HRS | 20 | 101.46\% | 233 TO 234 HRS | 0 | 101.49\% |  |  |  |
| 84 TO 85 HRS | 766 | 99.59\% | 159 TO 160 HRS | 40 | 101.46\% | 234 TO 235 HRS | 0 | 101.49\% |  |  |  |
| 85 TO 86 HRS | 1,178 | 99.66\% | 160 TO 161 HRS | 20 | 101.46\% | 235 TO 236 HRS | 39 | 101.50\% |  |  |  |
| 86 TO 87 HRS | 2,437 | 99.81\% | 161 TO 162 HRS | 0 | 101.46\% | 236 TO 237 HRS | 2 | 101.50\% |  |  |  |
| 87 TO 88 HRS | 547 | 99.85\% | 162 TO 163 HRS | 0 | 101.46\% | 237 TO 238 HRS | 0 | 101.50\% |  |  |  |
| 88 TO 89 HRS | 920 | 99.91\% | 163 TO 164 HRS | 7 | 101.46\% | 238 TO 239 HRS | 0 | 101.50\% |  |  |  |
| 89 TO 90 HRS | 232 | 99.92\% | 164 TO 165 HRS | 0 | 101.46\% | 239 TO 240 HRS | 0 | 101.50\% |  |  |  |
| 90 TO 91 HRS | 563 | 99.96\% | 165 TO 166 HRS | 9 | 101.46\% | 240 TO 241 HRS | 0 | 101.50\% |  |  |  |
| 91 TO 92 HRS | 434 | 99.98\% | 166 TO 167 HRS | 1 | 101.46\% | 241 TO 242 HRS | 0 | 101.50\% |  |  |  |
| 92 TO 93 HRS | 284 | 100.00\% | 167 TO 168 HRS | 31 | 101.46\% | 242 TO 243 HRS | 0 | 101.50\% |  |  |  |

## Year 2006 Excludable Major Events:

Of the ten largest events listed in Table 5 the following events met the CPUC definition of a major event:

- January 1-5, 2006
- February 26-28, 2006
- March 2-5, 2006
- March 9-14, 2006
- April 4-5, 2006
- July 21-27, 2006
- December 26-28, 2006

The following tables in this section indicate the number of customers without service at periodic intervals for this event. It should be noted that the number of customer outages segmented by hourly restoration periods requires a level of detail not normally maintained by PG\&E in its central computerized records.
The information shown here is what PG\&E has been able to reconstruct from several databases and may have a margin of error of up to $5 \%$.

Table 6/ Figure 1 - January 1-5, 2006 Outage Event Duration Summary

| Outage <br> Duration | Date of <br> Outage | Description <br> of Outage | Number of <br> Customers <br> Affected |
| :---: | :---: | :---: | :---: |
| 0 TO 1 HRS | $01 / 01 / 2006$ | Noted in <br> Table 5 | 68,532 |
| 1 TO 5 HRS | $"$ | $"$ | 274,930 |
| 5 TO 10 HRS | $"$ | $"$ | 91,135 |
| 10 TO 15 HRS | $"$ | $"$ | 18,499 |
| 15 TO 20 HRS | $"$ | $"$ | 15,785 |
| 20 TO 24 HRS | $"$ | $"$ | 5,743 |
| $>=1$ AND <=2 | $"$ | $"$ | 20,135 |
| $>=2$ AND <=3 | $"$ | $"$ | 5,321 |
| $>=3$ AND <=4 | $"$ | $"$ | 754 |
| $>=4$ AND <=5 | $"$ | $"$ | 283 |
| $>=5$ AND <=6 | $"$ | $"$ | 25 |
| $>=6$ AND <=7 | $"$ | $"$ | 0 |
| $>7 ~ "$ | $"$ | 0 |  |

Table 5 / Figure 2-2006 Outage Event Duration Graph


|  | Major Event Days:1/1/06-1/5/06 |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Outage <br> Duration | Customers Restored | $\begin{gathered} \text { Cum ulative } \\ \% \end{gathered}$ | Outage Duration | Customers Restored | $\begin{gathered} \text { Cum ulative } \\ \% \end{gathered}$ | Outage Duration | Customers Restored | $\begin{gathered} \text { Cum ulative } \\ \% \end{gathered}$ | Outage <br> Duration | Customers Restored | $\begin{gathered} \text { Cumulative } \\ \% \end{gathered}$ |
| 0 TO 1 HRS | 68,487 | 13.67\% | 93 TO 94 HRS | 0 | 99.94\% | 168 TO 169 HRS | 0 | 100.00\% | 243 TO 244 HRS | 0 | 100.00\% |
| 1 TO 5 HRS | 274,890 | 68.53\% | 94 TO 95 HRS | 0 | 99.94\% | 169 TO 170 HRS | 0 | 100.00\% | 244 TO 245 HRS | 0 | 100.00\% |
| 5 TO 10 HRS | 91,126 | 86.72\% | 95 TO 96 HRS | 0 | 99.94\% | 170 TO 171 HRS | 0 | 100.00\% | 245 TO 246 HRS | 0 | 100.00\% |
| 10 TO 15 HRS | 18,499 | 90.41\% | 96 TO 97 HRS | 150 | 99.97\% | 171 TO 172 HRS | 0 | 100.00\% | 246 TO 247 HRS | 0 | 100.00\% |
| 15 TO 20 HRS | 15,785 | 93.56\% | 97 TO 98 HRS | 0 | 99.97\% | 172 TO 173 HRS | 0 | 100.00\% | 247 TO 248 HRS | 0 | 100.00\% |
| 20 TO 24 HRS | 5,743 | 94.71\% | 98 TO 99 HRS | 0 | 99.97\% | 173 TO 174 HRS | 0 | 100.00\% | 248 TO 249 HRS | 0 | 100.00\% |
| 24 TO 25 HRS | 1,341 | 94.98\% | 99 TO 100 HRS | 0 | 99.97\% | 174 TO 175 HRS | 0 | 100.00\% | 249 TO 250 HRS | 0 | 100.00\% |
| 25 TO 26 HRS | 2,567 | 95.49\% | 100 TO 101 HRS | 14 | 99.97\% | 175 TO 176 HRS | 0 | 100.00\% | 250 TO 251 HRS | 0 | 100.00\% |
| 26 TO 27 HRS | 1,432 | 95.78\% | 101 TO 102 HRS | 66 | 99.98\% | 176 TO 177 HRS | 0 | 100.00\% | 251 TO 252 HRS | 0 | 100.00\% |
| 27 TO 28 HRS | 2,716 | 96.32\% | 102 TO 103 HRS | 0 | 99.98\% | 177 TO 178 HRS | 0 | 100.00\% | 252 TO 253 HRS | 0 | 100.00\% |
| 28 TO 29 HRS | 1,780 | 96.67\% | 103 TO 104 HRS | 0 | 99.98\% | 178 TO 179 HRS | 0 | 100.00\% | 253 TO 254 HRS | 0 | 100.00\% |
| 29 TO 30 HRS | 951 | 96.86\% | 104 TO 105 HRS | 18 | 99.99\% | 179 TO 180 HRS | 0 | 100.00\% | 254 TO 255 HRS | 0 | 100.00\% |
| 30 TO 31 HRS | 1,051 | 97.07\% | 105 TO 106 HRS | 12 | 99.99\% | 180 TO 181 HRS | 0 | 100.00\% | 255 TO 256 HRS | 0 | 100.00\% |
| 31 TO 32 HRS | 796 | 97.23\% | 106 TO 107 HRS | 0 | 99.99\% | 181 TO 182 HRS | 0 | 100.00\% | 256 TO 257 HRS | 0 | 100.00\% |
| 32 TO 33 HRS | 1,053 | 97.44\% | 107 TO 108 HRS | 6 | 99.99\% | 182 TO 183 HRS | 0 | 100.00\% | 257 TO 258 HRS | 0 | 100.00\% |
| 33 TO 34 HRS | 800 | 97.60\% | 108 TO 109 HRS | 0 | 99.99\% | 183 TO 184 HRS | 0 | 100.00\% | 258 TO 259 HRS | 0 | 100.00\% |
| 34 TO 35 HRS | 362 | 97.67\% | 109 TO 110 HRS | 0 | 99.99\% | 184 TO 185 HRS | 0 | 100.00\% | 259 TO 260 HRS | 0 | 100.00\% |
| 35 TO 36 HRS | 1,716 | 98.02\% | 110 TO 111 HRS | 14 | 99.99\% | 185 TO 186 HRS | 0 | 100.00\% | 260 TO 261 HRS | 0 | 100.00\% |
| 36 TO 37 HRS | 143 | 98.04\% | 111 TO 112 HRS | 0 | 99.99\% | 186 TO 187 HRS | 0 | 100.00\% | 261 TO 262 HRS | 0 | 100.00\% |
| 37 TO 38 HRS | 190 | 98.08\% | 112 TO 113 HRS | 0 | 99.99\% | 187 TO 188 HRS | 0 | 100.00\% | 262 TO 263 HRS | 0 | 100.00\% |
| 38 TO 39 HRS | 908 | 98.26\% | 113 TO 114 HRS | 0 | 99.99\% | 188 TO 189 HRS | 0 | 100.00\% | 263 TO 264 HRS | 0 | 100.00\% |
| 39 TO 40 HRS | 207 | 98.31\% | 114 TO 115 HRS | 3 | 100.00\% | 189 TO 190 HRS | 0 | 100.00\% | 264 TO 265 HRS | 0 | 100.00\% |
| 40 TO 41 HRS | 42 | 98.31\% | 115 TO 116 HRS | 0 | 100.00\% | 190 TO 191 HRS | 0 | 100.00\% | 265 TO 266 HRS | 0 | 100.00\% |
| 41 TO 42 HRS | 111 | 98.34\% | 116 TO 117 HRS | 0 | 100.00\% | 191 TO 192 HRS | 0 | 100.00\% | 266 TO 267 HRS | 0 | 100.00\% |
| 42 TO 43 HRS | 65 | 98.35\% | 117 TO 118 HRS | 0 | 100.00\% | 192 TO 193 HRS | 0 | 100.00\% | 267 TO 268 HRS | 0 | 100.00\% |
| 43 TO 44 HRS | 205 | 98.39\% | 118 TO 119 HRS | 0 | 100.00\% | 193 TO 194 HRS | 0 | 100.00\% | 268 TO 269 HRS | 0 | 100.00\% |
| 44 TO 45 HRS | 368 | 98.46\% | 119 TO 120 HRS | 0 | 100.00\% | 194 TO 195 HRS | 0 | 100.00\% | 269 TO 270 HRS | 0 | 100.00\% |
| 45 TO 46 HRS | 88 | 98.48\% | 120 TO 121 HRS | 5 | 100.00\% | 195 TO 196 HRS | 0 | 100.00\% | 270 TO 271 HRS | 0 | 100.00\% |
| 46 TO 47 HRS | 442 | 98.57\% | 121 TO 122 HRS | 0 | 100.00\% | 196 TO 197 HRS | 0 | 100.00\% | 271 TO 272 HRS | 0 | 100.00\% |
| 47 TO 48 HRS | 800 | 98.73\% | 122 TO 123 HRS | 0 | 100.00\% | 197 TO 198 HRS | 0 | 100.00\% | 272 TO 273 HRS | 0 | 100.00\% |
| 48 TO 49 HRS | 645 | 98.86\% | 123 TO 124 HRS | 0 | 100.00\% | 198 TO 199 HRS | 0 | 100.00\% | 273 TO 274 HRS | 0 | 100.00\% |
| 49 TO 50 HRS | 891 | 99.04\% | 124 TO 125 HRS | 0 | 100.00\% | 199 TO 200 HRS | 0 | 100.00\% | 274 TO 275 HRS | 0 | 100.00\% |
| 50 TO 51 HRS | 314 | 99.10\% | 125 TO 126 HRS | 0 | 100.00\% | 200 TO 201 HRS | 0 | 100.00\% | 275 TO 276 HRS | 0 | 100.00\% |
| 51 TO 52 HRS | 509 | 99.20\% | 126 TO 127 HRS | 0 | 100.00\% | 201 TO 202 HRS | 0 | 100.00\% | 276 TO 277 HRS | 0 | 100.00\% |
| 52 TO 53 HRS | 70 | 99.21\% | 127 TO 128 HRS | 0 | 100.00\% | 202 TO 203 HRS | 0 | 100.00\% | 277 TO 278 HRS | 0 | 100.00\% |
| 53 TO 54 HRS | 475 | 99.31\% | 128 TO 129 HRS | 0 | 100.00\% | 203 TO 204 HRS | 0 | 100.00\% | 278 TO 279 HRS | 0 | 100.00\% |
| 54 TO 55 HRS | 279 | 99.36\% | 129 TO 130 HRS | 20 | 100.00\% | 204 TO 205 HRS | 0 | 100.00\% | 279 TO 280 HRS | 0 | 100.00\% |
| 55 TO 56 HRS | 57 | 99.38\% | 130 TO 131 HRS | 0 | 100.00\% | 205 TO 206 HRS | 0 | 100.00\% | 280 TO 281 HRS | 0 | 100.00\% |
| 56 TO 57 HRS | 261 | 99.43\% | 131 TO 132 HRS | 0 | 100.00\% | 206 TO 207 HRS | 0 | 100.00\% | 281 TO 282 HRS | 0 | 100.00\% |
| 57 TO 58 HRS | 924 | 99.61\% | 132 TO 133 HRS | 0 | 100.00\% | 207 TO 208 HRS | 0 | 100.00\% | 282 TO 283 HRS | 0 | 100.00\% |
| 58 TO 59 HRS | 330 | 99.68\% | 133 TO 134 HRS | 0 | 100.00\% | 208 TO 209 HRS | 0 | 100.00\% | 283 TO 284 HRS | 0 | 100.00\% |
| 59 TO 60 HRS | 15 | 99.68\% | 134 TO 135 HRS | 0 | 100.00\% | 209 TO 210 HRS | 0 | 100.00\% | 284 TO 285 HRS | 0 | 100.00\% |
| 60 TO 61 HRS | 165 | 99.71\% | 135 TO 136 HRS | 0 | 100.00\% | 210 TO 211 HRS | 0 | 100.00\% | 285 TO 286 HRS | 0 | 100.00\% |
| 61 TO 62 HRS | 48 | 99.72\% | 136 TO 137 HRS | 0 | 100.00\% | 211 TO 212 HRS | 0 | 100.00\% | 286 TO 287 HRS | 0 | 100.00\% |
| 62 TO 63 HRS | 50 | 99.73\% | 137 TO 138 HRS | 0 | 100.00\% | 212 TO 213 HRS | 0 | 100.00\% | 287 TO 288 HRS | 0 | 100.00\% |
| 63 TO 64 HRS | 202 | 99.77\% | 138 TO 139 HRS | 0 | 100.00\% | 213 TO 214 HRS | 0 | 100.00\% | 288 TO 289 HRS | 0 | 100.00\% |
| 64 TO 65 HRS | 0 | 99.77\% | 139 TO 140 HRS | 0 | 100.00\% | 214 TO 215 HRS | 0 | 100.00\% | 289 TO 290 HRS | 0 | 100.00\% |
| 65 TO 66 HRS | 68 | 99.79\% | 140 TO 141 HRS | 0 | 100.00\% | 215 TO 216 HRS | 0 | 100.00\% | 290 TO 291 HRS | 0 | 100.00\% |
| 66 TO 67 HRS | 0 | 99.79\% | 141 TO 142 HRS | 0 | 100.00\% | 216 TO 217 HRS | 0 | 100.00\% | 291 TO 292 HRS | 0 | 100.00\% |
| 67 TO 68 HRS | 0 | 99.79\% | 142 TO 143 HRS | 0 | 100.00\% | 217 TO 218 HRS | 0 | 100.00\% | 292 TO 293 HRS | 0 | 100.00\% |
| 68 TO 69 HRS | 0 | 99.79\% | 143 TO 144 HRS | 0 | 100.00\% | 218 TO 219 HRS | 0 | 100.00\% | 293 TO 294 HRS | 0 | 100.00\% |
| 69 TO 70 HRS | 0 | 99.79\% | 144 TO 145 HRS | 0 | 100.00\% | 219 TO 220 HRS | 0 | 100.00\% | 294 TO 295 HRS | 0 | 100.00\% |
| 70 TO 71 HRS | 0 | 99.79\% | 145 TO 146 HRS | 0 | 100.00\% | 220 TO 221 HRS | 0 | 100.00\% | 295 TO 296 HRS | 0 | 100.00\% |
| 71 TO 72 HRS | 5 | 99.79\% | 146 TO 147 HRS | 0 | 100.00\% | 221 TO 222 HRS | 0 | 100.00\% | 296 TO 297 HRS | 0 | 100.00\% |
| 72 TO 73 HRS | 94 | 99.81\% | 147 TO 148 HRS | 0 | 100.00\% | 222 TO 223 HRS | 0 | 100.00\% | 297 TO 298 HRS | 0 | 100.00\% |
| 73 TO 74 HRS | 9 | 99.81\% | 148 TO 149 HRS | 0 | 100.00\% | 223 TO 224 HRS | 0 | 100.00\% | 298 TO 299 HRS | 0 | 100.00\% |
| 74 TO 75 HRS | 4 | 99.81\% | 149 TO 150 HRS | 0 | 100.00\% | 224 TO 225 HRS | 0 | 100.00\% | 299 TO 300 HRS | 0 | 100.00\% |
| 75 TO 76 HRS | 7 | 99.81\% | 150 TO 151 HRS | 0 | 100.00\% | 225 TO 226 HRS | 0 | 100.00\% | $>300 \mathrm{HRS}$ | 0 | 100.00\% |
| 76 TO 77 HRS | 62 | 99.82\% | 151 TO 152 HRS | 0 | 100.00\% | 226 TO 227 HRS | 0 | 100.00\% | Total | 501,034 |  |
| 77 TO 78 HRS | 17 | 99.83\% | 152 TO 153 HRS | 0 | 100.00\% | 227 TO 228 HRS | 0 | 100.00\% |  |  |  |
| 78 TO 79 HRS | 90 | 99.84\% | 153 TO 154 HRS | 0 | 100.00\% | 228 TO 229 HRS | 0 | 100.00\% |  |  |  |
| 79 TO 80 HRS | 4 | 99.85\% | 154 TO 155 HRS | 0 | 100.00\% | 229 TO 230 HRS | 0 | 100.00\% |  |  |  |
| 80 TO 81 HRS | 0 | 99.85\% | 155 TO 156 HRS | 0 | 100.00\% | 230 TO 231 HRS | 0 | 100.00\% |  |  |  |
| 81 TO 82 HRS | 33 | 99.85\% | 156 TO 157 HRS | 0 | 100.00\% | 231 TO 232 HRS | 0 | 100.00\% |  |  |  |
| 82 TO 83 HRS | 301 | 99.91\% | 157 TO 158 HRS | 0 | 100.00\% | 232 TO 233 HRS | 0 | 100.00\% |  |  |  |
| 83 TO 84 HRS | 2 | 99.91\% | 158 TO 159 HRS | 0 | 100.00\% | 233 TO 234 HRS | 0 | 100.00\% |  |  |  |
| 84 TO 85 HRS | 0 | 99.91\% | 159 TO 160 HRS | 0 | 100.00\% | 234 TO 235 HRS | 0 | 100.00\% |  |  |  |
| 85 TO 86 HRS | 0 | 99.91\% | 160 TO 161 HRS | 0 | 100.00\% | 235 TO 236 HRS | 0 | 100.00\% |  |  |  |
| 86 TO 87 HRS | 0 | 99.91\% | 161 TO 162 HRS | 0 | 100.00\% | 236 TO 237 HRS | 0 | 100.00\% |  |  |  |
| 87 TO 88 HRS | 19 | 99.92\% | 162 TO 163 HRS | 0 | 100.00\% | 237 TO 238 HRS | 0 | 100.00\% |  |  |  |
| 88 TO 89 HRS | 1 | 99.92\% | 163 TO 164 HRS | 0 | 100.00\% | 238 TO 239 HRS | 0 | 100.00\% |  |  |  |
| 89 TO 90 HRS | 0 | 99.92\% | 164 TO 165 HRS | 0 | 100.00\% | 239 TO 240 HRS | 0 | 100.00\% |  |  |  |
| 90 TO 91 HRS | 101 | 99.94\% | 165 TO 166 HRS | 0 | 100.00\% | 240 TO 241 HRS | 0 | 100.00\% |  |  |  |
| 91 TO 92 HRS | 10 | 99.94\% | 166 TO 167 HRS | 0 | 100.00\% | 241 TO 242 HRS | 0 | 100.00\% |  |  |  |
| 92 TO 93 HRS | 0 | 99.94\% | 167 TO 168 HRS | 0 | 100.00\% | 242 TO 243 HRS | 0 | 100.00\% |  |  |  |

Table $7 /$ Figure 2 - February 26-28, 2006 Outage Event Duration Summary

| Outage <br> Duration | Date of <br> Outage | Description <br> of Outage | Number of <br> Customers <br> Affected |
| :---: | :---: | :---: | :---: |
| 0 TO 1 HRS | $02 / 26 / 2006$ | Noted in <br> Table 5 | 96,141 |
| 1 TO 5 HRS | $"$ | $"$ | 179,045 |
| 5 TO 10 HRS | $"$ | $"$ | 28,879 |
| 10 TO 15 HRS | $"$ | $"$ | 6,948 |
| 15 TO 20 HRS | $"$ | $"$ | 17,155 |
| 20 TO 24 HRS | $"$ | $"$ | 1,741 |
| $>=1$ AND <=2 | $"$ | $"$ | 1,527 |
| $>=2$ AND <=3 | $"$ | $"$ | 0 |
| $>=3$ AND <=4 | $"$ | $"$ | 0 |
| $>=4$ AND <=5 | $"$ | $"$ | 0 |
| $>=5$ AND <=6 | $"$ | $"$ | 0 |
| $>=6$ AND <=7 | $"$ | $"$ | 0 |
| $>7$ | $"$ | $"$ | 0 |

Table 7 / Figure 3-2006 Outage Event Duration Graph


|  | Major Event Days:2/26/06-2/28/06 |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Outage <br> Duration | Customers Restored | $\begin{gathered} \text { Cum ulative } \\ \% \end{gathered}$ | Outage <br> Duration | Customers Restored | Cum ulative \% | Outage <br> Duration | Customers Restored | $\begin{gathered} \text { Cum ulative } \\ \% \end{gathered}$ | Outage <br> Duration | Customers Restored | Cum ulative \% |
| 0 TO 1 HRS | 96,136 | 29.01\% | 93 TO 94 HRS | 0 | 100.00\% | 168 TO 169 HRS | 0 | 100.00\% | 243 TO 244 HRS | 0 | 100.00\% |
| 1 TO 5 HRS | 178,998 | 83.03\% | 94 TO 95 HRS | 0 | 100.00\% | 169 TO 170 HRS | 0 | 100.00\% | 244 TO 245 HRS | 0 | 100.00\% |
| 5 TO 10 HRS | 28,877 | 91.74\% | 95 TO 96 HRS | 0 | 100.00\% | 170 TO 171 HRS | 0 | 100.00\% | 245 TO 246 HRS | 0 | 100.00\% |
| 10 TO 15 HRS | 6,948 | 93.84\% | 96 TO 97 HRS | 0 | 100.00\% | 171 TO 172 HRS | 0 | 100.00\% | 246 TO 247 HRS | 0 | 100.00\% |
| 15 TO 20 HRS | 17,154 | 99.01\% | 97 TO 98 HRS | 0 | 100.00\% | 172 TO 173 HRS | 0 | 100.00\% | 247 TO 248 HRS | 0 | 100.00\% |
| 20 TO 24 HRS | 1,741 | 99.54\% | 98 TO 99 HRS | 0 | 100.00\% | 173 TO 174 HRS | 0 | 100.00\% | 248 TO 249 HRS | 0 | 100.00\% |
| 24 TO 25 HRS | 526 | 99.70\% | 99 TO 100 HRS | 0 | 100.00\% | 174 TO 175 HRS | 0 | 100.00\% | 249 TO 250 HRS | 0 | 100.00\% |
| 25 TO 26 HRS | 337 | 99.80\% | 100 TO 101 HRS | 0 | 100.00\% | 175 TO 176 HRS | 0 | 100.00\% | 250 TO 251 HRS | 0 | 100.00\% |
| 26 TO 27 HRS | 191 | 99.86\% | 101 TO 102 HRS | 0 | 100.00\% | 176 TO 177 HRS | 0 | 100.00\% | 251 TO 252 HRS | 0 | 100.00\% |
| 27 TO 28 HRS | 3 | 99.86\% | 102 TO 103 HRS | 0 | 100.00\% | 177 TO 178 HRS | 0 | 100.00\% | 252 TO 253 HRS | 0 | 100.00\% |
| 28 TO 29 HRS | 0 | 99.86\% | 103 TO 104 HRS | 0 | 100.00\% | 178 TO 179 HRS | 0 | 100.00\% | 253 TO 254 HRS | 0 | 100.00\% |
| 29 TO 30 HRS | 1 | 99.86\% | 104 TO 105 HRS | 0 | 100.00\% | 179 TO 180 HRS | 0 | 100.00\% | 254 TO 255 HRS | 0 | 100.00\% |
| 30 TO 31 HRS | 160 | 99.91\% | 105 TO 106 HRS | 0 | 100.00\% | 180 TO 181 HRS | 0 | 100.00\% | 255 TO 256 HRS | 0 | 100.00\% |
| 31 TO 32 HRS | 60 | 99.92\% | 106 TO 107 HRS | 0 | 100.00\% | 181 TO 182 HRS | 0 | 100.00\% | 256 TO 257 HRS | 0 | 100.00\% |
| 32 TO 33 HRS | 16 | 99.93\% | 107 TO 108 HRS | 0 | 100.00\% | 182 TO 183 HRS | 0 | 100.00\% | 257 TO 258 HRS | 0 | 100.00\% |
| 33 TO 34 HRS | 5 | 99.93\% | 108 TO 109 HRS | 0 | 100.00\% | 183 TO 184 HRS | 0 | 100.00\% | 258 TO 259 HRS | 0 | 100.00\% |
| 34 TO 35 HRS | 82 | 99.96\% | 109 TO 110 HRS | 0 | 100.00\% | 184 TO 185 HRS | 0 | 100.00\% | 259 TO 260 HRS | 0 | 100.00\% |
| 35 TO 36 HRS | 0 | 99.96\% | 110 TO 111 HRS | 0 | 100.00\% | 185 TO 186 HRS | 0 | 100.00\% | 260 TO 261 HRS | 0 | 100.00\% |
| 36 TO 37 HRS | 0 | 99.96\% | 111 TO 112 HRS | 0 | 100.00\% | 186 TO 187 HRS | 0 | 100.00\% | 261 TO 262 HRS | 0 | 100.00\% |
| 37 TO 38 HRS | 12 | 99.96\% | 112 TO 113 HRS | 0 | 100.00\% | 187 TO 188 HRS | 0 | 100.00\% | 262 TO 263 HRS | 0 | 100.00\% |
| 38 TO 39 HRS | 9 | 99.96\% | 113 TO 114 HRS | 0 | 100.00\% | 188 TO 189 HRS | 0 | 100.00\% | 263 TO 264 HRS | 0 | 100.00\% |
| 39 TO 40 HRS | 0 | 99.96\% | 114 TO 115 HRS | 0 | 100.00\% | 189 TO 190 HRS | 0 | 100.00\% | 264 TO 265 HRS | 0 | 100.00\% |
| 40 TO 41 HRS | 0 | 99.96\% | 115 TO 116 HRS | 0 | 100.00\% | 190 TO 191 HRS | 0 | 100.00\% | 265 TO 266 HRS | 0 | 100.00\% |
| 41 TO 42 HRS | 0 | 99.96\% | 116 TO 117 HRS | 0 | 100.00\% | 191 TO 192 HRS | 0 | 100.00\% | 266 TO 267 HRS | 0 | 100.00\% |
| 42 TO 43 HRS | 32 | 99.97\% | 117 TO 118 HRS | 0 | 100.00\% | 192 TO 193 HRS | 0 | 100.00\% | 267 TO 268 HRS | 0 | 100.00\% |
| 43 TO 44 HRS | 0 | 99.97\% | 118 TO 119 HRS | 0 | 100.00\% | 193 TO 194 HRS | 0 | 100.00\% | 268 TO 269 HRS | 0 | 100.00\% |
| 44 TO 45 HRS | 93 | 100.00\% | 119 TO 120 HRS | 0 | 100.00\% | 194 TO 195 HRS | 0 | 100.00\% | 269 TO 270 HRS | 0 | 100.00\% |
| 45 TO 46 HRS | 0 | 100.00\% | 120 TO 121 HRS | 0 | 100.00\% | 195 TO 196 HRS | 0 | 100.00\% | 270 TO 271 HRS | 0 | 100.00\% |
| 46 TO 47 HRS | 0 | 100.00\% | 121 TO 122 HRS | 0 | 100.00\% | 196 TO 197 HRS | 0 | 100.00\% | 271 TO 272 HRS | 0 | 100.00\% |
| 47 TO 48 HRS | 0 | 100.00\% | 122 TO 123 HRS | 0 | 100.00\% | 197 TO 198 HRS | 0 | 100.00\% | 272 TO 273 HRS | 0 | 100.00\% |
| 48 TO 49 HRS | 0 | 100.00\% | 123 TO 124 HRS | 0 | 100.00\% | 198 TO 199 HRS | 0 | 100.00\% | 273 TO 274 HRS | 0 | 100.00\% |
| 49 TO 50 HRS | 0 | 100.00\% | 124 TO 125 HRS | 0 | 100.00\% | 199 TO 200 HRS | 0 | 100.00\% | 274 TO 275 HRS | 0 | 100.00\% |
| 50 TO 51 HRS | 0 | 100.00\% | 125 TO 126 HRS | 0 | 100.00\% | 200 TO 201 HRS | 0 | 100.00\% | 275 TO 276 HRS | 0 | 100.00\% |
| 51 TO 52 HRS | 0 | 100.00\% | 126 TO 127 HRS | 0 | 100.00\% | 201 TO 202 HRS | 0 | 100.00\% | 276 TO 277 HRS | 0 | 100.00\% |
| 52 TO 53 HRS | 0 | 100.00\% | 127 TO 128 HRS | 0 | 100.00\% | 202 TO 203 HRS | 0 | 100.00\% | 277 TO 278 HRS | 0 | 100.00\% |
| 53 TO 54 HRS | 0 | 100.00\% | 128 TO 129 HRS | 0 | 100.00\% | 203 TO 204 HRS | 0 | 100.00\% | 278 TO 279 HRS | 0 | 100.00\% |
| 54 TO 55 HRS | 0 | 100.00\% | 129 TO 130 HRS | 0 | 100.00\% | 204 TO 205 HRS | 0 | 100.00\% | 279 TO 280 HRS | 0 | 100.00\% |
| 55 TO 56 HRS | 0 | 100.00\% | 130 TO 131 HRS | 0 | 100.00\% | 205 TO 206 HRS | 0 | 100.00\% | 280 TO 281 HRS | 0 | 100.00\% |
| 56 TO 57 HRS | 0 | 100.00\% | 131 TO 132 HRS | 0 | 100.00\% | 206 TO 207 HRS | 0 | 100.00\% | 281 TO 282 HRS | 0 | 100.00\% |
| 57 TO 58 HRS | 0 | 100.00\% | 132 TO 133 HRS | 0 | 100.00\% | 207 TO 208 HRS | 0 | 100.00\% | 282 TO 283 HRS | 0 | 100.00\% |
| 58 TO 59 HRS | 0 | 100.00\% | 133 TO 134 HRS | 0 | 100.00\% | 208 TO 209 HRS | 0 | 100.00\% | 283 TO 284 HRS | 0 | 100.00\% |
| 59 TO 60 HRS | 0 | 100.00\% | 134 TO 135 HRS | 0 | 100.00\% | 209 TO 210 HRS | 0 | 100.00\% | 284 TO 285 HRS | 0 | 100.00\% |
| 60 TO 61 HRS | 0 | 100.00\% | 135 TO 136 HRS | 0 | 100.00\% | 210 TO 211 HRS | 0 | 100.00\% | 285 TO 286 HRS | 0 | 100.00\% |
| 61 TO 62 HRS | 0 | 100.00\% | 136 TO 137 HRS | 0 | 100.00\% | 211 TO 212 HRS | 0 | 100.00\% | 286 TO 287 HRS | 0 | 100.00\% |
| 62 TO 63 HRS | 0 | 100.00\% | 137 TO 138 HRS | 0 | 100.00\% | 212 TO 213 HRS | 0 | 100.00\% | 287 TO 288 HRS | 0 | 100.00\% |
| 63 TO 64 HRS | 0 | 100.00\% | 138 TO 139 HRS | 0 | 100.00\% | 213 TO 214 HRS | 0 | 100.00\% | 288 TO 289 HRS | 0 | 100.00\% |
| 64 TO 65 HRS | 0 | 100.00\% | 139 TO 140 HRS | 0 | 100.00\% | 214 TO 215 HRS | 0 | 100.00\% | 289 TO 290 HRS | 0 | 100.00\% |
| 65 TO 66 HRS | 0 | 100.00\% | 140 TO 141 HRS | 0 | 100.00\% | 215 TO 216 HRS | 0 | 100.00\% | 290 TO 291 HRS | 0 | 100.00\% |
| 66 TO 67 HRS | 0 | 100.00\% | 141 TO 142 HRS | 0 | 100.00\% | 216 TO 217 HRS | 0 | 100.00\% | 291 TO 292 HRS | 0 | 100.00\% |
| 67 TO 68 HRS | 0 | 100.00\% | 142 TO 143 HRS | 0 | 100.00\% | 217 TO 218 HRS | 0 | 100.00\% | 292 TO 293 HRS | 0 | 100.00\% |
| 68 TO 69 HRS | 0 | 100.00\% | 143 TO 144 HRS | 0 | 100.00\% | 218 TO 219 HRS | 0 | 100.00\% | 293 TO 294 HRS | 0 | 100.00\% |
| 69 TO 70 HRS | 0 | 100.00\% | 144 TO 145 HRS | 0 | 100.00\% | 219 TO 220 HRS | 0 | 100.00\% | 294 TO 295 HRS | 0 | 100.00\% |
| 70 TO 71 HRS | 0 | 100.00\% | 145 TO 146 HRS | 0 | 100.00\% | 220 TO 221 HRS | 0 | 100.00\% | 295 TO 296 HRS | 0 | 100.00\% |
| 71 TO 72 HRS | 0 | 100.00\% | 146 TO 147 HRS | 0 | 100.00\% | 221 TO 222 HRS | 0 | 100.00\% | 296 TO 297 HRS | 0 | 100.00\% |
| 72 TO 73 HRS | 0 | 100.00\% | 147 TO 148 HRS | 0 | 100.00\% | 222 TO 223 HRS | 0 | 100.00\% | 297 TO 298 HRS | 0 | 100.00\% |
| 73 TO 74 HRS | 0 | 100.00\% | 148 TO 149 HRS | 0 | 100.00\% | 223 TO 224 HRS | 0 | 100.00\% | 298 TO 299 HRS | 0 | 100.00\% |
| 74 TO 75 HRS | 0 | 100.00\% | 149 TO 150 HRS | 0 | 100.00\% | 224 TO 225 HRS | 0 | 100.00\% | 299 TO 300 HRS | 0 | 100.00\% |
| 75 TO 76 HRS | 0 | 100.00\% | 150 TO 151 HRS | 0 | 100.00\% | 225 TO 226 HRS | 0 | 100.00\% | $>300 \mathrm{HRS}$ | 0 | 100.00\% |
| 76 TO 77 HRS | 0 | 100.00\% | 151 TO 152 HRS | 0 | 100.00\% | 226 TO 227 HRS | 0 | 100.00\% | Total | 331,381 |  |
| 77 TO 78 HRS | 0 | 100.00\% | 152 TO 153 HRS | 0 | 100.00\% | 227 TO 228 HRS | 0 | 100.00\% |  |  |  |
| 78 TO 79 HRS | 0 | 100.00\% | 153 TO 154 HRS | 0 | 100.00\% | 228 TO 229 HRS | 0 | 100.00\% |  |  |  |
| 79 TO 80 HRS | 0 | 100.00\% | 154 TO 155 HRS | 0 | 100.00\% | 229 TO 230 HRS | 0 | 100.00\% |  |  |  |
| 80 TO 81 HRS | 0 | 100.00\% | 155 TO 156 HRS | 0 | 100.00\% | 230 TO 231 HRS | 0 | 100.00\% |  |  |  |
| 81 TO 82 HRS | 0 | 100.00\% | 156 TO 157 HRS | 0 | 100.00\% | 231 TO 232 HRS | 0 | 100.00\% |  |  |  |
| 82 TO 83 HRS | 0 | 100.00\% | 157 TO 158 HRS | 0 | 100.00\% | 232 TO 233 HRS | 0 | 100.00\% |  |  |  |
| 83 TO 84 HRS | 0 | 100.00\% | 158 TO 159 HRS | 0 | 100.00\% | 233 TO 234 HRS | 0 | 100.00\% |  |  |  |
| 84 TO 85 HRS | 0 | 100.00\% | 159 TO 160 HRS | 0 | 100.00\% | 234 TO 235 HRS | 0 | 100.00\% |  |  |  |
| 85 TO 86 HRS | 0 | 100.00\% | 160 TO 161 HRS | 0 | 100.00\% | 235 TO 236 HRS | 0 | 100.00\% |  |  |  |
| 86 TO 87 HRS | 0 | 100.00\% | 161 TO 162 HRS | 0 | 100.00\% | 236 TO 237 HRS | 0 | 100.00\% |  |  |  |
| 87 TO 88 HRS | 0 | 100.00\% | 162 TO 163 HRS | 0 | 100.00\% | 237 TO 238 HRS | 0 | 100.00\% |  |  |  |
| 88 TO 89 HRS | 0 | 100.00\% | 163 TO 164 HRS | 0 | 100.00\% | 238 TO 239 HRS | 0 | 100.00\% |  |  |  |
| 89 TO 90 HRS | 0 | 100.00\% | 164 TO 165 HRS | 0 | 100.00\% | 239 TO 240 HRS | 0 | 100.00\% |  |  |  |
| 90 TO 91 HRS | 0 | 100.00\% | 165 TO 166 HRS | 0 | 100.00\% | 240 TO 241 HRS | 0 | 100.00\% |  |  |  |
| 91 TO 92 HRS | 0 | 100.00\% | 166 TO 167 HRS | 0 | 100.00\% | 241 TO 242 HRS | 0 | 100.00\% |  |  |  |
| 92 TO 93 HRS | 0 | 100.00\% | 167 TO 168 HRS | 0 | 100.00\% | 42 TO 243 HRS | 0 | 100.00\% |  |  |  |

Table 8/ Figure 3 - March 2-5, 2006 Outage Event Duration Summary

| Outage <br> Duration | Date of <br> Outage | Description <br> of Outage | Number of <br> Customers <br> Affected |
| :---: | :---: | :---: | :---: |
| 0 TO 1 HRS | $03 / 02 / 2006$ | Noted in <br> Table 5 | 20,352 |
| 1 TO 5 HRS | $"$ | $"$ | 72,562 |
| 5 TO 10 HRS | $"$ | $"$ | 14,682 |
| 10 TO 15 HRS | $"$ | $"$ | 989 |
| 15 TO 20 HRS | $"$ | $"$ | 1,306 |
| 20 TO 24 HRS | $"$ | $"$ | 559 |
| $>=1$ AND <=2 | $"$ | $"$ | 2,650 |
| $>=2$ AND <=3 | $"$ | $"$ | 54 |
| $>=3$ AND <=4 | $"$ | $"$ | 0 |
| $>=4$ AND <=5 | $"$ | $"$ | 0 |
| $>=5$ AND <=6 | $"$ | $"$ | 0 |
| $>=6$ AND <=7 | $"$ | $"$ | 0 |
| $>7$ " | $"$ |  | 0 |

Table 8 / Figure 4-2006 Outage Event Duration Graph


2006 Outage Duration Details (March 2-5)

|  | $\begin{gathered} \hline \text { Major Event Days: } \\ \text { 3/2/06-3/5/06 } \end{gathered}$ |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Outage Duration | Customers Restored | $\begin{array}{\|c} \hline \text { Cumulative } \\ \% \end{array}$ | Outage Duration | Customers Restored | $\begin{array}{\|c} \text { Cumulative } \\ \% \end{array}$ | Outage Duration | Customers Restored | $\begin{gathered} \text { Cum ulative } \\ \% \end{gathered}$ | Outage Duration | Customers Restored | $\begin{gathered} \text { Cumulative } \\ \% \end{gathered}$ |
| 0 TO 1 HRS | 20,352 | 17.99\% | 93 TO 94 HRS | 0 | 100.00\% | 168 TO 169 HRS | 0 | 100.00\% | 243 TO 244 HRS | 0 | 100.00\% |
| 1 TO 5 HRS | 72,558 | 82.11\% | 94 TO 95 HRS | 0 | 100.00\% | 169 TO 170 HRS | 0 | 100.00\% | 244 TO 245 HRS | 0 | 100.00\% |
| 5 TO 10 HRS | 14,682 | 95.09\% | 95 TO 96 HRS | 0 | 100.00\% | 170 TO 171 HRS | 0 | 100.00\% | 245 TO 246 HRS | 0 | 100.00\% |
| 10 TO 15 HRS | 989 | 95.96\% | 96 TO 97 HRS | 0 | 100.00\% | 171 TO 172 HRS | 0 | 100.00\% | 246 TO 247 HRS | 0 | 100.00\% |
| 15 TO 20 HRS | 1,306 | 97.12\% | 97 TO 98 HRS | 0 | 100.00\% | 172 TO 173 HRS | 0 | 100.00\% | 247 TO 248 HRS | 0 | 100.00\% |
| 20 TO 24 HRS | 559 | 97.61\% | 98 TO 99 HRS | 0 | 100.00\% | 173 TO 174 HRS | 0 | 100.00\% | 248 TO 249 HRS | 0 | 100.00\% |
| 24 TO 25 HRS | 0 | 97.61\% | 99 TO 100 HRS | 0 | 100.00\% | 174 TO 175 HRS | 0 | 100.00\% | 249 TO 250 HRS | 0 | 100.00\% |
| 25 TO 26 HRS | 362 | 97.93\% | 100 TO 101 HRS | 0 | 100.00\% | 175 TO 176 HRS | 0 | 100.00\% | 250 TO 251 HRS | 0 | 100.00\% |
| 26 TO 27 HRS | 42 | 97.97\% | 101 TO 102 HRS | 0 | 100.00\% | 176 TO 177 HRS | 0 | 100.00\% | 251 TO 252 HRS | 0 | 100.00\% |
| 27 TO 28 HRS | 158 | 98.11\% | 102 TO 103 HRS | 0 | 100.00\% | 177 TO 178 HRS | 0 | 100.00\% | 252 TO 253 HRS | 0 | 100.00\% |
| 28 TO 29 HRS | 504 | 98.55\% | 103 TO 104 HRS | 0 | 100.00\% | 178 TO 179 HRS | 0 | 100.00\% | 253 TO 254 HRS | 0 | 100.00\% |
| 29 TO 30 HRS | 12 | 98.56\% | 104 TO 105 HRS | 0 | 100.00\% | 179 TO 180 HRS | 0 | 100.00\% | 254 TO 255 HRS | 0 | 100.00\% |
| 30 TO 31 HRS | 19 | 98.58\% | 105 TO 106 HRS | 0 | 100.00\% | 180 TO 181 HRS | 0 | 100.00\% | 255 TO 256 HRS | 0 | 100.00\% |
| 31 TO 32 HRS | 41 | 98.62\% | 106 TO 107 HRS | 0 | 100.00\% | 181 TO 182 HRS | 0 | 100.00\% | 256 TO 257 HRS | 0 | 100.00\% |
| 32 TO 33 HRS | 19 | 98.63\% | 107 TO 108 HRS | 0 | 100.00\% | 182 TO 183 HRS | 0 | 100.00\% | 257 TO 258 HRS | 0 | 100.00\% |
| 33 TO 34 HRS | 34 | 98.66\% | 108 TO 109 HRS | 0 | 100.00\% | 183 TO 184 HRS | 0 | 100.00\% | 258 TO 259 HRS | 0 | 100.00\% |
| 34 TO 35 HRS | 77 | 98.73\% | 109 TO 110 HRS | 0 | 100.00\% | 184 TO 185 HRS | 0 | 100.00\% | 259 TO 260 HRS | 0 | 100.00\% |
| 35 TO 36 HRS | 0 | 98.73\% | 110 TO 111 HRS | 0 | 100.00\% | 185 TO 186 HRS | 0 | 100.00\% | 260 TO 261 HRS | 0 | 100.00\% |
| 36 TO 37 HRS | 79 | 98.80\% | 111 TO 112 HRS | 0 | 100.00\% | 186 TO 187 HRS | 0 | 100.00\% | 261 TO 262 HRS | 0 | 100.00\% |
| 37 TO 38 HRS | 17 | 98.82\% | 112 TO 113 HRS | 0 | 100.00\% | 187 TO 188 HRS | 0 | 100.00\% | 262 TO 263 HRS | 0 | 100.00\% |
| 38 TO 39 HRS | 854 | 99.57\% | 113 TO 114 HRS | 0 | 100.00\% | 188 TO 189 HRS | 0 | 100.00\% | 263 TO 264 HRS | 0 | 100.00\% |
| 39 TO 40 HRS | 203 | 99.75\% | 114 TO 115 HRS | 0 | 100.00\% | 189 TO 190 HRS | 0 | 100.00\% | 264 TO 265 HRS | 0 | 100.00\% |
| 40 TO 41 HRS | 0 | 99.75\% | 115 TO 116 HRS | 0 | 100.00\% | 190 TO 191 HRS | 0 | 100.00\% | 265 TO 266 HRS | 0 | 100.00\% |
| 41 TO 42 HRS | 37 | 99.78\% | 116 TO 117 HRS | 0 | 100.00\% | 191 TO 192 HRS | 0 | 100.00\% | 266 TO 267 HRS | 0 | 100.00\% |
| 42 TO 43 HRS | 1 | 99.78\% | 117 TO 118 HRS | 0 | 100.00\% | 192 TO 193 HRS | 0 | 100.00\% | 267 TO 268 HRS | 0 | 100.00\% |
| 43 TO 44 HRS | 23 | 99.80\% | 118 TO 119 HRS | 0 | 100.00\% | 193 TO 194 HRS | 0 | 100.00\% | 268 TO 269 HRS | 0 | 100.00\% |
| 44 TO 45 HRS | 124 | 99.91\% | 119 TO 120 HRS | 0 | 100.00\% | 194 TO 195 HRS | 0 | 100.00\% | 269 TO 270 HRS | 0 | 100.00\% |
| 45 TO 46 HRS | 0 | 99.91\% | 120 TO 121 HRS | 0 | 100.00\% | 195 TO 196 HRS | 0 | 100.00\% | 270 TO 271 HRS | 0 | 100.00\% |
| 46 TO 47 HRS | 0 | 99.91\% | 121 TO 122 HRS | 0 | 100.00\% | 196 TO 197 HRS | 0 | 100.00\% | 271 TO 272 HRS | 0 | 100.00\% |
| 47 TO 48 HRS | 44 | 99.95\% | 122 TO 123 HRS | 0 | 100.00\% | 197 TO 198 HRS | 0 | 100.00\% | 272 TO 273 HRS | 0 | 100.00\% |
| 48 TO 49 HRS | 1 | 99.95\% | 123 TO 124 HRS | 0 | 100.00\% | 198 TO 199 HRS | 0 | 100.00\% | 273 TO 274 HRS | 0 | 100.00\% |
| 49 TO 50 HRS | 0 | 99.95\% | 124 TO 125 HRS | 0 | 100.00\% | 199 TO 200 HRS | 0 | 100.00\% | 274 TO 275 HRS | 0 | 100.00\% |
| 50 TO 51 HRS | 0 | 99.95\% | 125 TO 126 HRS | 0 | 100.00\% | 200 TO 201 HRS | 0 | 100.00\% | 275 TO 276 HRS | 0 | 100.00\% |
| 51 TO 52 HRS | 25 | 99.98\% | 126 TO 127 HRS | 0 | 100.00\% | 201 TO 202 HRS | 0 | 100.00\% | 276 TO 277 HRS | 0 | 100.00\% |
| 52 TO 53 HRS | 9 | 99.98\% | 127 TO 128 HRS | 0 | 100.00\% | 202 TO 203 HRS | 0 | 100.00\% | 277 TO 278 HRS | 0 | 100.00\% |
| 53 TO 54 HRS | 0 | 99.98\% | 128 TO 129 HRS | 0 | 100.00\% | 203 TO 204 HRS | 0 | 100.00\% | 278 TO 279 HRS | 0 | 100.00\% |
| 54 TO 55 HRS | 0 | 99.98\% | 129 TO 130 HRS | 0 | 100.00\% | 204 TO 205 HRS | 0 | 100.00\% | 279 TO 280 HRS | 0 | 100.00\% |
| 55 TO 56 HRS | 0 | 99.98\% | 130 TO 131 HRS | 0 | 100.00\% | 205 TO 206 HRS | 0 | 100.00\% | 280 TO 281 HRS | 0 | 100.00\% |
| 56 TO 57 HRS | 0 | 99.98\% | 131 TO 132 HRS | 0 | 100.00\% | 206 TO 207 HRS | 0 | 100.00\% | 281 TO 282 HRS | 0 | 100.00\% |
| 57 TO 58 HRS | 0 | 99.98\% | 132 TO 133 HRS | 0 | 100.00\% | 207 TO 208 HRS | 0 | 100.00\% | 282 TO 283 HRS | 0 | 100.00\% |
| 58 TO 59 HRS | 0 | 99.98\% | 133 TO 134 HRS | 0 | 100.00\% | 208 TO 209 HRS | 0 | 100.00\% | 283 TO 284 HRS | 0 | 100.00\% |
| 59 TO 60 HRS | 0 | 99.98\% | 134 TO 135 HRS | 0 | 100.00\% | 209 TO 210 HRS | 0 | 100.00\% | 284 TO 285 HRS | 0 | 100.00\% |
| 60 TO 61 HRS | 1 | 99.98\% | 135 TO 136 HRS | 0 | 100.00\% | 210 TO 211 HRS | 0 | 100.00\% | 285 TO 286 HRS | 0 | 100.00\% |
| 61 TO 62 HRS | 0 | 99.98\% | 136 TO 137 HRS | 0 | 100.00\% | 211 TO 212 HRS | 0 | 100.00\% | 286 TO 287 HRS | 0 | 100.00\% |
| 62 TO 63 HRS | 0 | 99.98\% | 137 TO 138 HRS | 0 | 100.00\% | 212 TO 213 HRS | 0 | 100.00\% | 287 TO 288 HRS | 0 | 100.00\% |
| 63 TO 64 HRS | 1 | 99.98\% | 138 TO 139 HRS | 0 | 100.00\% | 213 TO 214 HRS | 0 | 100.00\% | 288 TO 289 HRS | 0 | 100.00\% |
| 64 TO 65 HRS | 14 | 100.00\% | 139 TO 140 HRS | 0 | 100.00\% | 214 TO 215 HRS | 0 | 100.00\% | 289 TO 290 HRS | 0 | 100.00\% |
| 65 TO 66 HRS | 0 | 100.00\% | 140 TO 141 HRS | 0 | 100.00\% | 215 TO 216 HRS | 0 | 100.00\% | 290 TO 291 HRS | 0 | 100.00\% |
| 66 TO 67 HRS | 3 | 100.00\% | 141 TO 142 HRS | 0 | 100.00\% | 216 TO 217 HRS | 0 | 100.00\% | 291 TO 292 HRS | 0 | 100.00\% |
| 67 TO 68 HRS | 0 | 100.00\% | 142 TO 143 HRS | 0 | 100.00\% | 217 TO 218 HRS | 0 | 100.00\% | 292 TO 293 HRS | 0 | 100.00\% |
| 68 TO 69 HRS | 0 | 100.00\% | 143 TO 144 HRS | 0 | 100.00\% | 218 TO 219 HRS | 0 | 100.00\% | 293 TO 294 HRS | 0 | 100.00\% |
| 69 TO 70 HRS | 0 | 100.00\% | 144 TO 145 HRS | 0 | 100.00\% | 219 TO 220 HRS | 0 | 100.00\% | 294 TO 295 HRS | 0 | 100.00\% |
| 70 TO 71 HRS | 0 | 100.00\% | 145 TO 146 HRS | 0 | 100.00\% | 220 TO 221 HRS | 0 | 100.00\% | 295 TO 296 HRS | 0 | 100.00\% |
| 71 TO 72 HRS | 0 | 100.00\% | 146 TO 147 HRS | 0 | 100.00\% | 221 TO 222 HRS | 0 | 100.00\% | 296 TO 297 HRS | 0 | 100.00\% |
| 72 TO 73 HRS | 0 | 100.00\% | 147 TO 148 HRS | 0 | 100.00\% | 222 TO 223 HRS | 0 | 100.00\% | 297 TO 298 HRS | 0 | 100.00\% |
| 73 TO 74 HRS | 0 | 100.00\% | 148 TO 149 HRS | 0 | 100.00\% | 223 TO 224 HRS | 0 | 100.00\% | 298 TO 299 HRS | 0 | 100.00\% |
| 74 TO 75 HRS | 0 | 100.00\% | 149 TO 150 HRS | 0 | 100.00\% | 224 TO 225 HRS | 0 | 100.00\% | 299 TO 300 HRS | 0 | 100.00\% |
| 75 TO 76 HRS | 0 | 100.00\% | 150 TO 151 HRS | 0 | 100.00\% | 225 TO 226 HRS | 0 | 100.00\% | > 300 HRS | 0 | 100.00\% |
| 76 TO 77 HRS | 0 | 100.00\% | 151 TO 152 HRS | 0 | 100.00\% | 226 TO 227 HRS | 0 | 100.00\% | Total | 113,150 |  |
| 77 TO 78 HRS | 0 | 100.00\% | 152 TO 153 HRS | 0 | 100.00\% | 227 TO 228 HRS | 0 | 100.00\% |  |  |  |
| 78 TO 79 HRS | 0 | 100.00\% | 153 TO 154 HRS | 0 | 100.00\% | 228 TO 229 HRS | 0 | 100.00\% |  |  |  |
| 79 TO 80 HRS | 0 | 100.00\% | 154 TO 155 HRS | 0 | 100.00\% | 229 TO 230 HRS | 0 | 100.00\% |  |  |  |
| 80 TO 81 HRS | 0 | 100.00\% | 155 TO 156 HRS | 0 | 100.00\% | 230 TO 231 HRS | 0 | 100.00\% |  |  |  |
| 81 TO 82 HRS | 0 | 100.00\% | 156 TO 157 HRS | 0 | 100.00\% | 231 TO 232 HRS | 0 | 100.00\% |  |  |  |
| 82 TO 83 HRS | 0 | 100.00\% | 157 TO 158 HRS | 0 | 100.00\% | 232 TO 233 HRS | 0 | 100.00\% |  |  |  |
| 83 TO 84 HRS | 0 | 100.00\% | 158 TO 159 HRS | 0 | 100.00\% | 233 TO 234 HRS | 0 | 100.00\% |  |  |  |
| 84 TO 85 HRS | 0 | 100.00\% | 159 TO 160 HRS | 0 | 100.00\% | 234 TO 235 HRS | 0 | 100.00\% |  |  |  |
| 85 TO 86 HRS | 0 | 100.00\% | 160 TO 161 HRS | 0 | 100.00\% | 235 TO 236 HRS | 0 | 100.00\% |  |  |  |
| 86 TO 87 HRS | 0 | 100.00\% | 161 TO 162 HRS | 0 | 100.00\% | 236 TO 237 HRS | 0 | 100.00\% |  |  |  |
| 87 TO 88 HRS | 0 | 100.00\% | 162 TO 163 HRS | 0 | 100.00\% | 237 TO 238 HRS | 0 | 100.00\% |  |  |  |
| 88 TO 89 HRS | 0 | 100.00\% | 163 TO 164 HRS | 0 | 100.00\% | 238 TO 239 HRS | 0 | 100.00\% |  |  |  |
| 89 TO 90 HRS | 0 | 100.00\% | 164 TO 165 HRS | 0 | 100.00\% | 239 TO 240 HRS | 0 | 100.00\% |  |  |  |
| 90 TO 91 HRS | 0 | 100.00\% | 165 TO 166 HRS | 0 | 100.00\% | 240 TO 241 HRS | 0 | 100.00\% |  |  |  |
| 91 TO 92 HRS | 0 | 100.00\% | 166 TO 167 HRS | 0 | 100.00\% | 241 TO 242 HRS | 0 | 100.00\% |  |  |  |
| 92 TO 93 HRS | 0 | 100.00\% | 167 TO 168 HRS | 0 | 100.00\% | 242 TO 243 HRS | 0 | 100.00\% |  |  |  |

Table 9/ Figure 4 - March 9-14, 2006 Outage Event Duration Summary

| Outage Duration | Date of Outage | Description of Outage | Number of Customers Affected |
| :---: | :---: | :---: | :---: |
| 0 TO 1 HRS | 03/09/2006 | Noted in Table 5 | 42,289 |
| 1 TO 5 HRS | " |  | 42,718 |
| 5 TO 10 HRS | " | " | 29,429 |
| 10 TO 15 HRS | " | " | 6,572 |
| 15 TO 20 HRS | " | " | 11,601 |
| 20 TO 24 HRS | " | " | 4,096 |
| $>=1$ AND $<=2$ | " | " | 1,196 |
| $>=2$ AND $<=3$ | " | " | 589 |
| $>=3$ AND $<=4$ | " | " | 0 |
| $>=4$ AND $<=5$ | " | " | 0 |
| $>=5$ AND $<=6$ | " | " | 0 |
| $>=6$ AND $<=7$ | " | " | 0 |
| $>7$ | " | " | 0 |

Table 9 / Figure 5-2006 Outage Event Duration Graph


2006 Outage Duration Details (March 9-14)

|  | $\begin{gathered} \hline \text { Major Eve } \\ 3 / 9 / 06 \text { - } \end{gathered}$ | $\begin{aligned} & \hline \text { ent Days: } \\ & 3 / 14 / 06 \end{aligned}$ |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Outage Duration | Customers Restored | Cum ulative \% | Outage Duration | Customers Restored | Cumulative \% | Outage Duration | Customers Restored | Cum ulative \% | Outage Duration | Customers Restored | Cumulative \% |
| 0 TO 1 HRS | 42,289 | 30.54\% | 93 TO 94 HRS | 0 | 100.00\% | 168 TO 169 HRS | 0 | 100.00\% | 243 TO 244 HRS | 0 | 100.00\% |
| 1 TO 5 HRS | 42,718 | 61.38\% | 94 TO 95 HRS | 0 | 100.00\% | 169 TO 170 HRS | 0 | 100.00\% | 244 TO 245 HRS | 0 | 100.00\% |
| 5 TO 10 HRS | 29,429 | 82.63\% | 95 TO 96 HRS | 0 | 100.00\% | 170 TO 171 HRS | 0 | 100.00\% | 245 TO 246 HRS | 0 | 100.00\% |
| 10 TO 15 HRS | 6,572 | 87.38\% | 96 TO 97 HRS | 0 | 100.00\% | 171 TO 172 HRS | 0 | 100.00\% | 246 TO 247 HRS | 0 | 100.00\% |
| 15 TO 20 HRS | 11,601 | 95.75\% | 97 TO 98 HRS | 0 | 100.00\% | 172 TO 173 HRS | 0 | 100.00\% | 247 TO 248 HRS | 0 | 100.00\% |
| 20 TO 24 HRS | 4,096 | 98.71\% | 98 TO 99 HRS | 0 | 100.00\% | 173 TO 174 HRS | 0 | 100.00\% | 248 TO 249 HRS | 0 | 100.00\% |
| 24 TO 25 HRS | 49 | 98.75\% | 99 TO 100 HRS | 0 | 100.00\% | 174 TO 175 HRS | 0 | 100.00\% | 249 TO 250 HRS | 0 | 100.00\% |
| 25 TO 26 HRS | 167 | 98.87\% | 100 TO 101 HRS | 0 | 100.00\% | 175 TO 176 HRS | 0 | 100.00\% | 250 TO 251 HRS | 0 | 100.00\% |
| 26 TO 27 HRS | 147 | 98.97\% | 101 TO 102 HRS | 0 | 100.00\% | 176 TO 177 HRS | 0 | 100.00\% | 251 TO 252 HRS | 0 | 100.00\% |
| 27 TO 28 HRS | 70 | 99.02\% | 102 TO 103 HRS | 0 | 100.00\% | 177 TO 178 HRS | 0 | 100.00\% | 252 TO 253 HRS | 0 | 100.00\% |
| 28 TO 29 HRS | 52 | 99.06\% | 103 TO 104 HRS | 0 | 100.00\% | 178 TO 179 HRS | 0 | 100.00\% | 253 TO 254 HRS | 0 | 100.00\% |
| 29 TO 30 HRS | 25 | 99.08\% | 104 TO 105 HRS | 0 | 100.00\% | 179 TO 180 HRS | 0 | 100.00\% | 254 TO 255 HRS | 0 | 100.00\% |
| 30 TO 31 HRS | 7 | 99.08\% | 105 TO 106 HRS | 0 | 100.00\% | 180 TO 181 HRS | 0 | 100.00\% | 255 TO 256 HRS | 0 | 100.00\% |
| 31 TO 32 HRS | 64 | 99.13\% | 106 TO 107 HRS | 0 | 100.00\% | 181 TO 182 HRS | 0 | 100.00\% | 256 TO 257 HRS | 0 | 100.00\% |
| 32 TO 33 HRS | 46 | 99.16\% | 107 TO 108 HRS | 0 | 100.00\% | 182 TO 183 HRS | 0 | 100.00\% | 257 TO 258 HRS | 0 | 100.00\% |
| 33 TO 34 HRS | 0 | 99.16\% | 108 TO 109 HRS | 0 | 100.00\% | 183 TO 184 HRS | 0 | 100.00\% | 258 TO 259 HRS | 0 | 100.00\% |
| 34 TO 35 HRS | 0 | 99.16\% | 109 TO 110 HRS | 0 | 100.00\% | 184 TO 185 HRS | 0 | 100.00\% | 259 TO 260 HRS | 0 | 100.00\% |
| 35 TO 36 HRS | 39 | 99.19\% | 110 TO 111 HRS | 0 | 100.00\% | 185 TO 186 HRS | 0 | 100.00\% | 260 TO 261 HRS | 0 | 100.00\% |
| 36 TO 37 HRS | 187 | 99.33\% | 111 TO 112 HRS | 0 | 100.00\% | 186 TO 187 HRS | 0 | 100.00\% | 261 TO 262 HRS | 0 | 100.00\% |
| 37 TO 38 HRS | 0 | 99.33\% | 112 TO 113 HRS | 0 | 100.00\% | 187 TO 188 HRS | 0 | 100.00\% | 262 TO 263 HRS | 0 | 100.00\% |
| 38 TO 39 HRS | 29 | 99.35\% | 113 TO 114 HRS | 0 | 100.00\% | 188 TO 189 HRS | 0 | 100.00\% | 263 TO 264 HRS | 0 | 100.00\% |
| 39 TO 40 HRS | 0 | 99.35\% | 114 TO 115 HRS | 0 | 100.00\% | 189 TO 190 HRS | 0 | 100.00\% | 264 TO 265 HRS | 0 | 100.00\% |
| 40 TO 41 HRS | 0 | 99.35\% | 115 TO 116 HRS | 0 | 100.00\% | 190 TO 191 HRS | 0 | 100.00\% | 265 TO 266 HRS | 0 | 100.00\% |
| 41 TO 42 HRS | 2 | 99.35\% | 116 TO 117 HRS | 0 | 100.00\% | 191 TO 192 HRS | 0 | 100.00\% | 266 TO 267 HRS | 0 | 100.00\% |
| 42 TO 43 HRS | 0 | 99.35\% | 117 TO 118 HRS | 0 | 100.00\% | 192 TO 193 HRS | 0 | 100.00\% | 267 TO 268 HRS | 0 | 100.00\% |
| 43 TO 44 HRS | 0 | 99.35\% | 118 TO 119 HRS | 0 | 100.00\% | 193 TO 194 HRS | 0 | 100.00\% | 268 TO 269 HRS | 0 | 100.00\% |
| 44 TO 45 HRS | 185 | 99.48\% | 119 TO 120 HRS | 0 | 100.00\% | 194 TO 195 HRS | 0 | 100.00\% | 269 TO 270 HRS | 0 | 100.00\% |
| 45 TO 46 HRS | 0 | 99.48\% | 120 TO 121 HRS | 0 | 100.00\% | 195 TO 196 HRS | 0 | 100.00\% | 270 TO 271 HRS | 0 | 100.00\% |
| 46 TO 47 HRS | 9 | 99.49\% | 121 TO 122 HRS | 0 | 100.00\% | 196 TO 197 HRS | 0 | 100.00\% | 271 TO 272 HRS | 0 | 100.00\% |
| 47 TO 48 HRS | 118 | 99.57\% | 122 TO 123 HRS | 0 | 100.00\% | 197 TO 198 HRS | 0 | 100.00\% | 272 TO 273 HRS | 0 | 100.00\% |
| 48 TO 49 HRS | 0 | 99.57\% | 123 TO 124 HRS | 0 | 100.00\% | 198 TO 199 HRS | 0 | 100.00\% | 273 TO 274 HRS | 0 | 100.00\% |
| 49 TO 50 HRS | 0 | 99.57\% | 124 TO 125 HRS | 0 | 100.00\% | 199 TO 200 HRS | 0 | 100.00\% | 274 TO 275 HRS | 0 | 100.00\% |
| 50 TO 51 HRS | 0 | 99.57\% | 125 TO 126 HRS | 0 | 100.00\% | 200 TO 201 HRS | 0 | 100.00\% | 275 TO 276 HRS | 0 | 100.00\% |
| 51 TO 52 HRS | 31 | 99.60\% | 126 TO 127 HRS | 0 | 100.00\% | 201 TO 202 HRS | 0 | 100.00\% | 276 TO 277 HRS | 0 | 100.00\% |
| 52 TO 53 HRS | 0 | 99.60\% | 127 TO 128 HRS | 0 | 100.00\% | 202 TO 203 HRS | 0 | 100.00\% | 277 TO 278 HRS | 0 | 100.00\% |
| 53 TO 54 HRS | 0 | 99.60\% | 128 TO 129 HRS | 0 | 100.00\% | 203 TO 204 HRS | 0 | 100.00\% | 278 TO 279 HRS | 0 | 100.00\% |
| 54 TO 55 HRS | 0 | 99.60\% | 129 TO 130 HRS | 0 | 100.00\% | 204 TO 205 HRS | 0 | 100.00\% | 279 TO 280 HRS | 0 | 100.00\% |
| 55 TO 56 HRS | 0 | 99.60\% | 130 TO 131 HRS | 0 | 100.00\% | 205 TO 206 HRS | 0 | 100.00\% | 280 TO 281 HRS | 0 | 100.00\% |
| 56 TO 57 HRS | 553 | 100.00\% | 131 TO 132 HRS | 0 | 100.00\% | 206 TO 207 HRS | 0 | 100.00\% | 281 TO 282 HRS | 0 | 100.00\% |
| 57 TO 58 HRS | 0 | 100.00\% | 132 TO 133 HRS | 0 | 100.00\% | 207 TO 208 HRS | 0 | 100.00\% | 282 TO 283 HRS | 0 | 100.00\% |
| 58 TO 59 HRS | 0 | 100.00\% | 133 TO 134 HRS | 0 | 100.00\% | 208 TO 209 HRS | 0 | 100.00\% | 283 TO 284 HRS | 0 | 100.00\% |
| 59 TO 60 HRS | 5 | 100.00\% | 134 TO 135 HRS | 0 | 100.00\% | 209 TO 210 HRS | 0 | 100.00\% | 284 TO 285 HRS | 0 | 100.00\% |
| 60 TO 61 HRS | 0 | 100.00\% | 135 TO 136 HRS | 0 | 100.00\% | 210 TO 211 HRS | 0 | 100.00\% | 285 TO 286 HRS | 0 | 100.00\% |
| 61 TO 62 HRS | 0 | 100.00\% | 136 TO 137 HRS | 0 | 100.00\% | 211 TO 212 HRS | 0 | 100.00\% | 286 TO 287 HRS | 0 | 100.00\% |
| 62 TO 63 HRS | 0 | 100.00\% | 137 TO 138 HRS | 0 | 100.00\% | 212 TO 213 HRS | 0 | 100.00\% | 287 TO 288 HRS | 0 | 100.00\% |
| 63 TO 64 HRS | 0 | 100.00\% | 138 TO 139 HRS | 0 | 100.00\% | 213 TO 214 HRS | 0 | 100.00\% | 288 TO 289 HRS | 0 | 100.00\% |
| 64 TO 65 HRS | 0 | 100.00\% | 139 TO 140 HRS | 0 | 100.00\% | 214 TO 215 HRS | 0 | 100.00\% | 289 TO 290 HRS | 0 | 100.00\% |
| 65 TO 66 HRS | 0 | 100.00\% | 140 TO 141 HRS | 0 | 100.00\% | 215 TO 216 HRS | 0 | 100.00\% | 290 TO 291 HRS | 0 | 100.00\% |
| 66 TO 67 HRS | 0 | 100.00\% | 141 TO 142 HRS | 0 | 100.00\% | 216 TO 217 HRS | 0 | 100.00\% | 291 TO 292 HRS | 0 | 100.00\% |
| 67 TO 68 HRS | 0 | 100.00\% | 142 TO 143 HRS | 0 | 100.00\% | 217 TO 218 HRS | 0 | 100.00\% | 292 TO 293 HRS | 0 | 100.00\% |
| 68 TO 69 HRS | 0 | 100.00\% | 143 TO 144 HRS | 0 | 100.00\% | 218 TO 219 HRS | 0 | 100.00\% | 293 TO 294 HRS | 0 | 100.00\% |
| 69 TO 70 HRS | 0 | 100.00\% | 144 TO 145 HRS | 0 | 100.00\% | 219 TO 220 HRS | 0 | 100.00\% | 294 TO 295 HRS | 0 | 100.00\% |
| 70 TO 71 HRS | 0 | 100.00\% | 145 TO 146 HRS | 0 | 100.00\% | 220 TO 221 HRS | 0 | 100.00\% | 295 TO 296 HRS | 0 | 100.00\% |
| 71 TO 72 HRS | 0 | 100.00\% | 146 TO 147 HRS | 0 | 100.00\% | 221 TO 222 HRS | 0 | 100.00\% | 296 TO 297 HRS | 0 | 100.00\% |
| 72 TO 73 HRS | 0 | 100.00\% | 147 TO 148 HRS | 0 | 100.00\% | 222 TO 223 HRS | 0 | 100.00\% | 297 TO 298 HRS | 0 | 100.00\% |
| 73 TO 74 HRS | 0 | 100.00\% | 148 TO 149 HRS | 0 | 100.00\% | 223 TO 224 HRS | 0 | 100.00\% | 298 TO 299 HRS | 0 | 100.00\% |
| 74 TO 75 HRS | 0 | 100.00\% | 149 TO 150 HRS | 0 | 100.00\% | 224 TO 225 HRS | 0 | 100.00\% | 299 TO 300 HRS | 0 | 100.00\% |
| 75 TO 76 HRS | 0 | 100.00\% | 150 TO 151 HRS | 0 | 100.00\% | 225 TO 226 HRS | 0 | 100.00\% | $>300 \mathrm{HRS}$ | 0 | 100.00\% |
| 76 TO 77 HRS | 0 | 100.00\% | 151 TO 152 HRS | 0 | 100.00\% | 226 TO 227 HRS | 0 | 100.00\% | Total | 138,490 |  |
| 77 TO 78 HRS | 0 | 100.00\% | 152 TO 153 HRS | 0 | 100.00\% | 227 TO 228 HRS | 0 | 100.00\% |  |  |  |
| 78 TO 79 HRS | 0 | 100.00\% | 153 TO 154 HRS | 0 | 100.00\% | 228 TO 229 HRS | 0 | 100.00\% |  |  |  |
| 79 TO 80 HRS | 0 | 100.00\% | 154 TO 155 HRS | 0 | 100.00\% | 229 TO 230 HRS | 0 | 100.00\% |  |  |  |
| 80 TO 81 HRS | 0 | 100.00\% | 155 TO 156 HRS | 0 | 100.00\% | 230 TO 231 HRS | 0 | 100.00\% |  |  |  |
| 81 TO 82 HRS | 0 | 100.00\% | 156 TO 157 HRS | 0 | 100.00\% | 231 TO 232 HRS | 0 | 100.00\% |  |  |  |
| 82 TO 83 HRS | 0 | 100.00\% | 157 TO 158 HRS | 0 | 100.00\% | 232 TO 233 HRS | 0 | 100.00\% |  |  |  |
| 83 TO 84 HRS | 0 | 100.00\% | 158 TO 159 HRS | 0 | 100.00\% | 233 TO 234 HRS | 0 | 100.00\% |  |  |  |
| 84 TO 85 HRS | 0 | 100.00\% | 159 TO 160 HRS | 0 | 100.00\% | 234 TO 235 HRS | 0 | 100.00\% |  |  |  |
| 85 TO 86 HRS | 0 | 100.00\% | 160 TO 161 HRS | 0 | 100.00\% | 235 TO 236 HRS | 0 | 100.00\% |  |  |  |
| 86 TO 87 HRS | 0 | 100.00\% | 161 TO 162 HRS | 0 | 100.00\% | 236 TO 237 HRS | 0 | 100.00\% |  |  |  |
| 87 TO 88 HRS | 0 | 100.00\% | 162 TO 163 HRS | 0 | 100.00\% | 237 TO 238 HRS | 0 | 100.00\% |  |  |  |
| 88 TO 89 HRS | 0 | 100.00\% | 163 TO 164 HRS | 0 | 100.00\% | 238 TO 239 HRS | 0 | 100.00\% |  |  |  |
| 89 TO 90 HRS | 0 | 100.00\% | 164 TO 165 HRS | 0 | 100.00\% | 239 TO 240 HRS | 0 | 100.00\% |  |  |  |
| 90 TO 91 HRS | 0 | 100.00\% | 165 TO 166 HRS | 0 | 100.00\% | 240 TO 241 HRS | 0 | 100.00\% |  |  |  |
| 91 TO 92 HRS | 0 | 100.00\% | 166 TO 167 HRS | 0 | 100.00\% | 241 TO 242 HRS | 0 | 100.00\% |  |  |  |
| 92 TO 93 HRS | 0 | 100.00\% | 167 TO 168 HRS | 0 | 100.00\% | 242 TO 243 HRS | 0 | 100.00\% |  |  |  |

Table 10/ Figure 5 - April 4-5, 2006 Outage Event Duration Summary

| Outage <br> Duration | Date of <br> Outage | Description <br> of Outage | Number of <br> Customers <br> Affected |
| :--- | :---: | :---: | :---: |
| 0 TO 1 HRS | $04 / 04 / 2006$ | Noted in <br> Table 5 | 19,565 |
| 1 TO 5 HRS | $"$ | $"$ | 60,412 |
| 5 TO 10 HRS | $"$ | $"$ | 18,949 |
| 10 TO 15 HRS | $"$ | $"$ | 1,507 |
| 15 TO 20 HRS | $"$ | $"$ | 297 |
| 20 TO 24 HRS | $"$ | $"$ | 2 |
| $>=1$ AND <=2 | $"$ | $"$ | 1,219 |
| $>=2$ AND <=3 | $"$ | $"$ | 0 |
| $>=3$ AND <=4 | $"$ | $"$ | 0 |
| $>=4$ AND $<=5$ | $"$ | $"$ | 0 |
| $>=5$ AND <=6 | $"$ | $"$ | 0 |
| $>=6$ AND <=7 | $"$ | $"$ | 0 |
| $>7$ | $"$ | $"$ | 0 |

Table 10 / Figure 6-2006 Outage Event Duration Graph


2006 Outage Duration Details (April 4-5)

|  | $\begin{array}{r} \hline \text { Major Eve } \\ \text { 4/4/06 } \end{array}$ | $\begin{aligned} & \text { ent Days: } \\ & -4 / 5 / 06 \end{aligned}$ |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Outage Duration | Customers Restored | Cumulative \% | Outage <br> Duration | Customers Restored | Cumulative \% | Outage Duration | Customers Restored | Cum ulative \% | Outage <br> Duration | Customers Restored | $\begin{gathered} \text { Cum ulative } \\ \% \end{gathered}$ |
| 0 TO 1 HRS | 19,563 | 19.19\% | 93 TO 94 HRS | 0 | 100.00\% | 168 TO 169 HRS | 0 | 100.00\% | 243 TO 244 HRS | 0 | 100.00\% |
| 1 TO 5 HRS | 60,406 | 78.45\% | 94 TO 95 HRS | 0 | 100.00\% | 169 TO 170 HRS | 0 | 100.00\% | 244 TO 245 HRS | 0 | 100.00\% |
| 5 TO 10 HRS | 18,936 | 97.03\% | 95 TO 96 HRS | 0 | 100.00\% | 170 TO 171 HRS | 0 | 100.00\% | 245 TO 246 HRS | 0 | 100.00\% |
| 10 TO 15 HRS | 1,507 | 98.51\% | 96 TO 97 HRS | 0 | 100.00\% | 171 TO 172 HRS | 0 | 100.00\% | 246 TO 247 HRS | 0 | 100.00\% |
| 15 TO 20 HRS | 297 | 98.80\% | 97 TO 98 HRS | 0 | 100.00\% | 172 TO 173 HRS | 0 | 100.00\% | 247 TO 248 HRS | 0 | 100.00\% |
| 20 TO 24 HRS | 2 | 98.80\% | 98 TO 99 HRS | 0 | 100.00\% | 173 TO 174 HRS | 0 | 100.00\% | 248 TO 249 HRS | 0 | 100.00\% |
| 24 TO 25 HRS | 1 | 98.81\% | 99 TO 100 HRS | 0 | 100.00\% | 174 TO 175 HRS | 0 | 100.00\% | 249 TO 250 HRS | 0 | 100.00\% |
| 25 TO 26 HRS | 0 | 98.81\% | 100 TO 101 HRS | 0 | 100.00\% | 175 TO 176 HRS | 0 | 100.00\% | 250 TO 251 HRS | 0 | 100.00\% |
| 26 TO 27 HRS | 0 | 98.81\% | 101 TO 102 HRS | 0 | 100.00\% | 176 TO 177 HRS | 0 | 100.00\% | 251 TO 252 HRS | 0 | 100.00\% |
| 27 TO 28 HRS | 7 | 98.81\% | 102 TO 103 HRS | 0 | 100.00\% | 177 TO 178 HRS | 0 | 100.00\% | 252 TO 253 HRS | 0 | 100.00\% |
| 28 TO 29 HRS | 551 | 99.35\% | 103 TO 104 HRS | 0 | 100.00\% | 178 TO 179 HRS | 0 | 100.00\% | 253 TO 254 HRS | 0 | 100.00\% |
| 29 TO 30 HRS | 656 | 100.00\% | 104 TO 105 HRS | 0 | 100.00\% | 179 TO 180 HRS | 0 | 100.00\% | 254 TO 255 HRS | 0 | 100.00\% |
| 30 TO 31 HRS | 0 | 100.00\% | 105 TO 106 HRS | 0 | 100.00\% | 180 TO 181 HRS | 0 | 100.00\% | 255 TO 256 HRS | 0 | 100.00\% |
| 31 TO 32 HRS | 4 | 100.00\% | 106 TO 107 HRS | 0 | 100.00\% | 181 TO 182 HRS | 0 | 100.00\% | 256 TO 257 HRS | 0 | 100.00\% |
| 32 TO 33 HRS | 0 | 100.00\% | 107 TO 108 HRS | 0 | 100.00\% | 182 TO 183 HRS | 0 | 100.00\% | 257 TO 258 HRS | 0 | 100.00\% |
| 33 TO 34 HRS | 0 | 100.00\% | 108 TO 109 HRS | 0 | 100.00\% | 183 TO 184 HRS | 0 | 100.00\% | 258 TO 259 HRS | 0 | 100.00\% |
| 34 TO 35 HRS | 0 | 100.00\% | 109 TO 110 HRS | 0 | 100.00\% | 184 TO 185 HRS | 0 | 100.00\% | 259 TO 260 HRS | 0 | 100.00\% |
| 35 TO 36 HRS | 0 | 100.00\% | 110 TO 111 HRS | 0 | 100.00\% | 185 TO 186 HRS | 0 | 100.00\% | 260 TO 261 HRS | 0 | 100.00\% |
| 36 TO 37 HRS | 0 | 100.00\% | 111 TO 112 HRS | 0 | 100.00\% | 186 TO 187 HRS | 0 | 100.00\% | 261 TO 262 HRS | 0 | 100.00\% |
| 37 TO 38 HRS | 0 | 100.00\% | 112 TO 113 HRS | 0 | 100.00\% | 187 TO 188 HRS | 0 | 100.00\% | 262 TO 263 HRS | 0 | 100.00\% |
| 38 TO 39 HRS | 0 | 100.00\% | 113 TO 114 HRS | 0 | 100.00\% | 188 TO 189 HRS | 0 | 100.00\% | 263 TO 264 HRS | 0 | 100.00\% |
| 39 TO 40 HRS | 0 | 100.00\% | 114 TO 115 HRS | 0 | 100.00\% | 189 TO 190 HRS | 0 | 100.00\% | 264 TO 265 HRS | 0 | 100.00\% |
| 40 TO 41 HRS | 0 | 100.00\% | 115 TO 116 HRS | 0 | 100.00\% | 190 TO 191 HRS | 0 | 100.00\% | 265 TO 266 HRS | 0 | 100.00\% |
| 41 TO 42 HRS | 0 | 100.00\% | 116 TO 117 HRS | 0 | 100.00\% | 191 TO 192 HRS | 0 | 100.00\% | 266 TO 267 HRS | 0 | 100.00\% |
| 42 TO 43 HRS | 0 | 100.00\% | 117 TO 118 HRS | 0 | 100.00\% | 192 TO 193 HRS | 0 | 100.00\% | 267 TO 268 HRS | 0 | 100.00\% |
| 43 TO 44 HRS | 0 | 100.00\% | 118 TO 119 HRS | 0 | 100.00\% | 193 TO 194 HRS | 0 | 100.00\% | 268 TO 269 HRS | 0 | 100.00\% |
| 44 TO 45 HRS | 0 | 100.00\% | 119 TO 120 HRS | 0 | 100.00\% | 194 TO 195 HRS | 0 | 100.00\% | 269 TO 270 HRS | 0 | 100.00\% |
| 45 TO 46 HRS | 0 | 100.00\% | 120 TO 121 HRS | 0 | 100.00\% | 195 TO 196 HRS | 0 | 100.00\% | 270 TO 271 HRS | 0 | 100.00\% |
| 46 TO 47 HRS | 0 | 100.00\% | 121 TO 122 HRS | 0 | 100.00\% | 196 TO 197 HRS | 0 | 100.00\% | 271 TO 272 HRS | 0 | 100.00\% |
| 47 TO 48 HRS | 0 | 100.00\% | 122 TO 123 HRS | 0 | 100.00\% | 197 TO 198 HRS | 0 | 100.00\% | 272 TO 273 HRS | 0 | 100.00\% |
| 48 TO 49 HRS | 0 | 100.00\% | 123 TO 124 HRS | 0 | 100.00\% | 198 TO 199 HRS | 0 | 100.00\% | 273 TO 274 HRS | 0 | 100.00\% |
| 49 TO 50 HRS | 0 | 100.00\% | 124 TO 125 HRS | 0 | 100.00\% | 199 TO 200 HRS | 0 | 100.00\% | 274 TO 275 HRS | 0 | 100.00\% |
| 50 TO 51 HRS | 0 | 100.00\% | 125 TO 126 HRS | 0 | 100.00\% | 200 TO 201 HRS | 0 | 100.00\% | 275 TO 276 HRS | 0 | 100.00\% |
| 51 TO 52 HRS | 0 | 100.00\% | 126 TO 127 HRS | 0 | 100.00\% | 201 TO 202 HRS | 0 | 100.00\% | 276 TO 277 HRS | 0 | 100.00\% |
| 52 TO 53 HRS | 0 | 100.00\% | 127 TO 128 HRS | 0 | 100.00\% | 202 TO 203 HRS | 0 | 100.00\% | 277 TO 278 HRS | 0 | 100.00\% |
| 53 TO 54 HRS | 0 | 100.00\% | 128 TO 129 HRS | 0 | 100.00\% | 203 TO 204 HRS | 0 | 100.00\% | 278 TO 279 HRS | 0 | 100.00\% |
| 54 TO 55 HRS | 0 | 100.00\% | 129 TO 130 HRS | 0 | 100.00\% | 204 TO 205 HRS | 0 | 100.00\% | 279 TO 280 HRS | 0 | 100.00\% |
| 55 TO 56 HRS | 0 | 100.00\% | 130 TO 131 HRS | 0 | 100.00\% | 205 TO 206 HRS | 0 | 100.00\% | 280 TO 281 HRS | 0 | 100.00\% |
| 56 TO 57 HRS | 0 | 100.00\% | 131 TO 132 HRS | 0 | 100.00\% | 206 TO 207 HRS | 0 | 100.00\% | 281 TO 282 HRS | 0 | 100.00\% |
| 57 TO 58 HRS | 0 | 100.00\% | 132 TO 133 HRS | 0 | 100.00\% | 207 TO 208 HRS | 0 | 100.00\% | 282 TO 283 HRS | 0 | 100.00\% |
| 58 TO 59 HRS | 0 | 100.00\% | 133 TO 134 HRS | 0 | 100.00\% | 208 TO 209 HRS | 0 | 100.00\% | 283 TO 284 HRS | 0 | 100.00\% |
| 59 TO 60 HRS | 0 | 100.00\% | 134 TO 135 HRS | 0 | 100.00\% | 209 TO 210 HRS | 0 | 100.00\% | 284 TO 285 HRS | 0 | 100.00\% |
| 60 TO 61 HRS | 0 | 100.00\% | 135 TO 136 HRS | 0 | 100.00\% | 210 TO 211 HRS | 0 | 100.00\% | 285 TO 286 HRS | 0 | 100.00\% |
| 61 TO 62 HRS | 0 | 100.00\% | 136 TO 137 HRS | 0 | 100.00\% | 211 TO 212 HRS | 0 | 100.00\% | 286 TO 287 HRS | 0 | 100.00\% |
| 62 TO 63 HRS | 0 | 100.00\% | 137 TO 138 HRS | 0 | 100.00\% | 212 TO 213 HRS | 0 | 100.00\% | 287 TO 288 HRS | 0 | 100.00\% |
| 63 TO 64 HRS | 0 | 100.00\% | 138 TO 139 HRS | 0 | 100.00\% | 213 TO 214 HRS | 0 | 100.00\% | 288 TO 289 HRS | 0 | 100.00\% |
| 64 TO 65 HRS | 0 | 100.00\% | 139 TO 140 HRS | 0 | 100.00\% | 214 TO 215 HRS | 0 | 100.00\% | 289 TO 290 HRS | 0 | 100.00\% |
| 65 TO 66 HRS | 0 | 100.00\% | 140 TO 141 HRS | 0 | 100.00\% | 215 TO 216 HRS | 0 | 100.00\% | 290 TO 291 HRS | 0 | 100.00\% |
| 66 TO 67 HRS | 0 | 100.00\% | 141 TO 142 HRS | 0 | 100.00\% | 216 TO 217 HRS | 0 | 100.00\% | 291 TO 292 HRS | 0 | 100.00\% |
| 67 TO 68 HRS | 0 | 100.00\% | 142 TO 143 HRS | 0 | 100.00\% | 217 TO 218 HRS | 0 | 100.00\% | 292 TO 293 HRS | 0 | 100.00\% |
| 68 TO 69 HRS | 0 | 100.00\% | 143 TO 144 HRS | 0 | 100.00\% | 218 TO 219 HRS | 0 | 100.00\% | 293 TO 294 HRS | 0 | 100.00\% |
| 69 TO 70 HRS | 0 | 100.00\% | 144 TO 145 HRS | 0 | 100.00\% | 219 TO 220 HRS | 0 | 100.00\% | 294 TO 295 HRS | 0 | 100.00\% |
| 70 TO 71 HRS | 0 | 100.00\% | 145 TO 146 HRS | 0 | 100.00\% | 220 TO 221 HRS | 0 | 100.00\% | 295 TO 296 HRS | 0 | 100.00\% |
| 71 TO 72 HRS | 0 | 100.00\% | 146 TO 147 HRS | 0 | 100.00\% | 221 TO 222 HRS | 0 | 100.00\% | 296 TO 297 HRS | 0 | 100.00\% |
| 72 TO 73 HRS | 0 | 100.00\% | 147 TO 148 HRS | 0 | 100.00\% | 222 TO 223 HRS | 0 | 100.00\% | 297 TO 298 HRS | 0 | 100.00\% |
| 73 TO 74 HRS | 0 | 100.00\% | 148 TO 149 HRS | 0 | 100.00\% | 223 TO 224 HRS | 0 | 100.00\% | 298 TO 299 HRS | 0 | 100.00\% |
| 74 TO 75 HRS | 0 | 100.00\% | 149 TO 150 HRS | 0 | 100.00\% | 224 TO 225 HRS | 0 | 100.00\% | 299 TO 300 HRS | 0 | 100.00\% |
| 75 TO 76 HRS | 0 | 100.00\% | 150 TO 151 HRS | 0 | 100.00\% | 225 TO 226 HRS | 0 | 100.00\% | $>300$ HRS | 0 | 100.00\% |
| 76 TO 77 HRS | 0 | 100.00\% | 151 TO 152 HRS | 0 | 100.00\% | 226 TO 227 HRS | 0 | 100.00\% | Total | 101,930 |  |
| 77 TO 78 HRS | 0 | 100.00\% | 152 TO 153 HRS | 0 | 100.00\% | 227 TO 228 HRS | 0 | 100.00\% |  |  |  |
| 78 TO 79 HRS | 0 | 100.00\% | 153 TO 154 HRS | 0 | 100.00\% | 228 TO 229 HRS | 0 | 100.00\% |  |  |  |
| 79 TO 80 HRS | 0 | 100.00\% | 154 TO 155 HRS | 0 | 100.00\% | 229 TO 230 HRS | 0 | 100.00\% |  |  |  |
| 80 TO 81 HRS | 0 | 100.00\% | 155 TO 156 HRS | 0 | 100.00\% | 230 TO 231 HRS | 0 | 100.00\% |  |  |  |
| 81 TO 82 HRS | 0 | 100.00\% | 156 TO 157 HRS | 0 | 100.00\% | 231 TO 232 HRS | 0 | 100.00\% |  |  |  |
| 82 TO 83 HRS | 0 | 100.00\% | 157 TO 158 HRS | 0 | 100.00\% | 232 TO 233 HRS | 0 | 100.00\% |  |  |  |
| 83 TO 84 HRS | 0 | 100.00\% | 158 TO 159 HRS | 0 | 100.00\% | 233 TO 234 HRS | 0 | 100.00\% |  |  |  |
| 84 TO 85 HRS | 0 | 100.00\% | 159 TO 160 HRS | 0 | 100.00\% | 234 TO 235 HRS | 0 | 100.00\% |  |  |  |
| 85 TO 86 HRS | 0 | 100.00\% | 160 TO 161 HRS | 0 | 100.00\% | 235 TO 236 HRS | 0 | 100.00\% |  |  |  |
| 86 TO 87 HRS | 0 | 100.00\% | 161 TO 162 HRS | 0 | 100.00\% | 236 TO 237 HRS | 0 | 100.00\% |  |  |  |
| 87 TO 88 HRS | 0 | 100.00\% | 162 TO 163 HRS | 0 | 100.00\% | 237 TO 238 HRS | 0 | 100.00\% |  |  |  |
| 88 TO 89 HRS | 0 | 100.00\% | 163 TO 164 HRS | 0 | 100.00\% | 238 TO 239 HRS | 0 | 100.00\% |  |  |  |
| 89 TO 90 HRS | 0 | 100.00\% | 164 TO 165 HRS | 0 | 100.00\% | 239 TO 240 HRS | 0 | 100.00\% |  |  |  |
| 90 TO 91 HRS | 0 | 100.00\% | 165 TO 166 HRS | 0 | 100.00\% | 240 TO 241 HRS | 0 | 100.00\% |  |  |  |
| 91 TO 92 HRS | 0 | 100.00\% | 166 TO 167 HRS | 0 | 100.00\% | 241 TO 242 HRS | 0 | 100.00\% |  |  |  |
| 92 TO 93 HRS | 0 | 100.00\% | 167 TO 168 HRS | 0 | 100.00\% | 242 TO 243 HRS | 0 | 100.00\% |  |  |  |

Table 11/ Figure 6 - July 21-27, 2006 Outage Event Duration Summary

| Outage <br> Duration | Date of <br> Outage | Description <br> of Outage | Number of <br> Customers <br> Affected |
| :---: | :---: | :---: | :---: |
| 0 TO 1 HRS | $07 / 20 / 2006$ | Noted in <br> Table 5 | 142,417 |
| 1 TO 5 HRS | $"$ | $"$ | 371,120 |
| 5 TO 10 HRS | $"$ | $"$ | 79,309 |
| 10 TO 15 HRS | $"$ | $"$ | 27,622 |
| 15 TO 20 HRS | $"$ | $"$ | 6,718 |
| 20 TO 24 HRS | $"$ | $"$ | 3,443 |
| $>=1$ AND <=2 | $"$ | $"$ | 17,398 |
| $>=2$ AND <=3 | $"$ | $"$ | 1,542 |
| $>=3$ AND <=4 | $"$ | $"$ | 69 |
| $>=4$ AND <=5 | $"$ | $"$ | 323 |
| $>=5$ AND <=6 | $"$ | $"$ | 0 |
| $>=6$ AND <=7 | $"$ | $"$ | 0 |
| $>7$ " | $"$ | $"$ | 0 |

Table 11 / Figure 7-2006 Outage Event Duration Graph


2006 Outage Duration Details (July 21-27)

|  | Major Event Days: 7/21/06-7/27/06 |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Outage Duration | Customers Restored | $\begin{gathered} \text { Cumulative } \\ \% \end{gathered}$ | Outage Duration | Customers Restored | $\begin{gathered} \text { Cumulative } \\ \% \end{gathered}$ | Outage Duration | Customers Restored | $\begin{array}{\|c} \text { Cum ulative } \\ \% \end{array}$ | Outage Duration | Customers Restored | $\begin{gathered} \text { Cum ulative } \\ \% \end{gathered}$ |
| 0 TO 1 HRS | 142,410 | 21.91\% | 93 TO 94 HRS | 0 | 99.95\% | 168 TO 169 HRS | 0 | 100.00\% | 243 TO 244 HRS | 0 | 100.00\% |
| 1 TO 5 HRS | 371,116 | 79.01\% | 94 TO 95 HRS | 0 | 99.95\% | 169 TO 170 HRS | 0 | 100.00\% | 244 TO 245 HRS | 0 | 100.00\% |
| 5 TO 10 HRS | 79,309 | 91.21\% | 95 TO 96 HRS | 0 | 99.95\% | 170 TO 171 HRS | 0 | 100.00\% | 245 TO 246 HRS | 0 | 100.00\% |
| 10 TO 15 HRS | 27,622 | 95.46\% | 96 TO 97 HRS | 0 | 99.95\% | 171 TO 172 HRS | 0 | 100.00\% | 246 TO 247 HRS | 0 | 100.00\% |
| 15 TO 20 HRS | 6,718 | 96.50\% | 97 TO 98 HRS | 0 | 99.95\% | 172 TO 173 HRS | 0 | 100.00\% | 247 TO 248 HRS | 0 | 100.00\% |
| 20 TO 24 HRS | 3,443 | 97.03\% | 98 TO 99 HRS | 0 | 99.95\% | 173 TO 174 HRS | 0 | 100.00\% | 248 TO 249 HRS | 0 | 100.00\% |
| 24 TO 25 HRS | 2,576 | 97.42\% | 99 TO 100 HRS | 0 | 99.95\% | 174 TO 175 HRS | 0 | 100.00\% | 249 TO 250 HRS | 0 | 100.00\% |
| 25 TO 26 HRS | 1,896 | 97.71\% | 100 TO 101 HRS | 0 | 99.95\% | 175 TO 176 HRS | 0 | 100.00\% | 250 TO 251 HRS | 0 | 100.00\% |
| 26 TO 27 HRS | 3,566 | 98.26\% | 101 TO 102 HRS | 0 | 99.95\% | 176 TO 177 HRS | 0 | 100.00\% | 251 TO 252 HRS | 0 | 100.00\% |
| 27 TO 28 HRS | 245 | 98.30\% | 102 TO 103 HRS | 0 | 99.95\% | 177 TO 178 HRS | 0 | 100.00\% | 252 TO 253 HRS | 0 | 100.00\% |
| 28 TO 29 HRS | 2,098 | 98.62\% | 103 TO 104 HRS | 0 | 99.95\% | 178 TO 179 HRS | 0 | 100.00\% | 253 TO 254 HRS | 0 | 100.00\% |
| 29 TO 30 HRS | 368 | 98.68\% | 104 TO 105 HRS | 0 | 99.95\% | 179 TO 180 HRS | 0 | 100.00\% | 254 TO 255 HRS | 0 | 100.00\% |
| 30 TO 31 HRS | 1,164 | 98.86\% | 105 TO 106 HRS | 0 | 99.95\% | 180 TO 181 HRS | 0 | 100.00\% | 255 TO 256 HRS | 0 | 100.00\% |
| 31 TO 32 HRS | 474 | 98.93\% | 106 TO 107 HRS | 0 | 99.95\% | 181 TO 182 HRS | 0 | 100.00\% | 256 TO 257 HRS | 0 | 100.00\% |
| 32 TO 33 HRS | 349 | 98.99\% | 107 TO 108 HRS | 0 | 99.95\% | 182 TO 183 HRS | 0 | 100.00\% | 257 TO 258 HRS | 0 | 100.00\% |
| 33 TO 34 HRS | 301 | 99.03\% | 108 TO 109 HRS | 0 | 99.95\% | 183 TO 184 HRS | 0 | 100.00\% | 258 TO 259 HRS | 0 | 100.00\% |
| 34 TO 35 HRS | 902 | 99.17\% | 109 TO 110 HRS | 0 | 99.95\% | 184 TO 185 HRS | 0 | 100.00\% | 259 TO 260 HRS | 0 | 100.00\% |
| 35 TO 36 HRS | 519 | 99.25\% | 110 TO 111 HRS | 0 | 99.95\% | 185 TO 186 HRS | 0 | 100.00\% | 260 TO 261 HRS | 0 | 100.00\% |
| 36 TO 37 HRS | 540 | 99.33\% | 111 TO 112 HRS | 204 | 99.98\% | 186 TO 187 HRS | 0 | 100.00\% | 261 TO 262 HRS | 0 | 100.00\% |
| 37 TO 38 HRS | 450 | 99.40\% | 112 TO 113 HRS | 0 | 99.98\% | 187 TO 188 HRS | 0 | 100.00\% | 262 TO 263 HRS | 0 | 100.00\% |
| 38 TO 39 HRS | 119 | 99.42\% | 113 TO 114 HRS | 0 | 99.98\% | 188 TO 189 HRS | 0 | 100.00\% | 263 TO 264 HRS | 0 | 100.00\% |
| 39 TO 40 HRS | 107 | 99.44\% | 114 TO 115 HRS | 0 | 99.98\% | 189 TO 190 HRS | 0 | 100.00\% | 264 TO 265 HRS | 0 | 100.00\% |
| 40 TO 41 HRS | 145 | 99.46\% | 115 TO 116 HRS | 0 | 99.98\% | 190 TO 191 HRS | 0 | 100.00\% | 265 TO 266 HRS | 0 | 100.00\% |
| 41 TO 42 HRS | 754 | 99.58\% | 116 TO 117 HRS | 0 | 99.98\% | 191 TO 192 HRS | 0 | 100.00\% | 266 TO 267 HRS | 0 | 100.00\% |
| 42 TO 43 HRS | 52 | 99.58\% | 117 TO 118 HRS | 0 | 99.98\% | 192 TO 193 HRS | 0 | 100.00\% | 267 TO 268 HRS | 0 | 100.00\% |
| 43 TO 44 HRS | 159 | 99.61\% | 118 TO 119 HRS | 119 | 100.00\% | 193 TO 194 HRS | 0 | 100.00\% | 268 TO 269 HRS | 0 | 100.00\% |
| 44 TO 45 HRS | 99 | 99.62\% | 119 TO 120 HRS | 0 | 100.00\% | 194 TO 195 HRS | 0 | 100.00\% | 269 TO 270 HRS | 0 | 100.00\% |
| 45 TO 46 HRS | 85 | 99.64\% | 120 TO 121 HRS | 0 | 100.00\% | 195 TO 196 HRS | 0 | 100.00\% | 270 TO 271 HRS | 0 | 100.00\% |
| 46 TO 47 HRS | 110 | 99.65\% | 121 TO 122 HRS | 0 | 100.00\% | 196 TO 197 HRS | 0 | 100.00\% | 271 TO 272 HRS | 0 | 100.00\% |
| 47 TO 48 HRS | 320 | 99.70\% | 122 TO 123 HRS | 0 | 100.00\% | 197 TO 198 HRS | 0 | 100.00\% | 272 TO 273 HRS | 0 | 100.00\% |
| 48 TO 49 HRS | 325 | 99.75\% | 123 TO 124 HRS | 0 | 100.00\% | 198 TO 199 HRS | 0 | 100.00\% | 273 TO 274 HRS | 0 | 100.00\% |
| 49 TO 50 HRS | 0 | 99.75\% | 124 TO 125 HRS | 0 | 100.00\% | 199 TO 200 HRS | 0 | 100.00\% | 274 TO 275 HRS | 0 | 100.00\% |
| 50 TO 51 HRS | 299 | 99.80\% | 125 TO 126 HRS | 0 | 100.00\% | 200 TO 201 HRS | 0 | 100.00\% | 275 TO 276 HRS | 0 | 100.00\% |
| 51 TO 52 HRS | 69 | 99.81\% | 126 TO 127 HRS | 0 | 100.00\% | 201 TO 202 HRS | 0 | 100.00\% | 276 TO 277 HRS | 0 | 100.00\% |
| 52 TO 53 HRS | 75 | 99.82\% | 127 TO 128 HRS | 0 | 100.00\% | 202 TO 203 HRS | 0 | 100.00\% | 277 TO 278 HRS | 0 | 100.00\% |
| 53 TO 54 HRS | 56 | 99.83\% | 128 TO 129 HRS | 0 | 100.00\% | 203 TO 204 HRS | 0 | 100.00\% | 278 TO 279 HRS | 0 | 100.00\% |
| 54 TO 55 HRS | 15 | 99.83\% | 129 TO 130 HRS | 0 | 100.00\% | 204 TO 205 HRS | 0 | 100.00\% | 279 TO 280 HRS | 0 | 100.00\% |
| 55 TO 56 HRS | 0 | 99.83\% | 130 TO 131 HRS | 0 | 100.00\% | 205 TO 206 HRS | 0 | 100.00\% | 280 TO 281 HRS | 0 | 100.00\% |
| 56 TO 57 HRS | 0 | 99.83\% | 131 TO 132 HRS | 0 | 100.00\% | 206 TO 207 HRS | 0 | 100.00\% | 281 TO 282 HRS | 0 | 100.00\% |
| 57 TO 58 HRS | 149 | 99.85\% | 132 TO 133 HRS | 0 | 100.00\% | 207 TO 208 HRS | 0 | 100.00\% | 282 TO 283 HRS | 0 | 100.00\% |
| 58 TO 59 HRS | 54 | 99.86\% | 133 TO 134 HRS | 0 | 100.00\% | 208 TO 209 HRS | 0 | 100.00\% | 283 TO 284 HRS | 0 | 100.00\% |
| 59 TO 60 HRS | 25 | 99.87\% | 134 TO 135 HRS | 0 | 100.00\% | 209 TO 210 HRS | 0 | 100.00\% | 284 TO 285 HRS | 0 | 100.00\% |
| 60 TO 61 HRS | 13 | 99.87\% | 135 TO 136 HRS | 0 | 100.00\% | 210 TO 211 HRS | 0 | 100.00\% | 285 TO 286 HRS | 0 | 100.00\% |
| 61 TO 62 HRS | 169 | 99.89\% | 136 TO 137 HRS | 0 | 100.00\% | 211 TO 212 HRS | 0 | 100.00\% | 286 TO 287 HRS | 0 | 100.00\% |
| 62 TO 63 HRS | 0 | 99.89\% | 137 TO 138 HRS | 0 | 100.00\% | 212 TO 213 HRS | 0 | 100.00\% | 287 TO 288 HRS | 0 | 100.00\% |
| 63 TO 64 HRS | 0 | 99.89\% | 138 TO 139 HRS | 0 | 100.00\% | 213 TO 214 HRS | 0 | 100.00\% | 288 TO 289 HRS | 0 | 100.00\% |
| 64 TO 65 HRS | 0 | 99.89\% | 139 TO 140 HRS | 0 | 100.00\% | 214 TO 215 HRS | 0 | 100.00\% | 289 TO 290 HRS | 0 | 100.00\% |
| 65 TO 66 HRS | 20 | 99.90\% | 140 TO 141 HRS | 0 | 100.00\% | 215 TO 216 HRS | 0 | 100.00\% | 290 TO 291 HRS | 0 | 100.00\% |
| 66 TO 67 HRS | 11 | 99.90\% | 141 TO 142 HRS | 0 | 100.00\% | 216 TO 217 HRS | 0 | 100.00\% | 291 TO 292 HRS | 0 | 100.00\% |
| 67 TO 68 HRS | 0 | 99.90\% | 142 TO 143 HRS | 0 | 100.00\% | 217 TO 218 HRS | 0 | 100.00\% | 292 TO 293 HRS | 0 | 100.00\% |
| 68 TO 69 HRS | 52 | 99.91\% | 143 TO 144 HRS | 0 | 100.00\% | 218 TO 219 HRS | 0 | 100.00\% | 293 TO 294 HRS | 0 | 100.00\% |
| 69 TO 70 HRS | 0 | 99.91\% | 144 TO 145 HRS | 0 | 100.00\% | 219 TO 220 HRS | 0 | 100.00\% | 294 TO 295 HRS | 0 | 100.00\% |
| 70 TO 71 HRS | 210 | 99.94\% | 145 TO 146 HRS | 0 | 100.00\% | 220 TO 221 HRS | 0 | 100.00\% | 295 TO 296 HRS | 0 | 100.00\% |
| 71 TO 72 HRS | 0 | 99.94\% | 146 TO 147 HRS | 0 | 100.00\% | 221 TO 222 HRS | 0 | 100.00\% | 296 TO 297 HRS | 0 | 100.00\% |
| 72 TO 73 HRS | 22 | 99.94\% | 147 TO 148 HRS | 0 | 100.00\% | 222 TO 223 HRS | 0 | 100.00\% | 297 TO 298 HRS | 0 | 100.00\% |
| 73 TO 74 HRS | 0 | 99.94\% | 148 TO 149 HRS | 0 | 100.00\% | 223 TO 224 HRS | 0 | 100.00\% | 298 TO 299 HRS | 0 | 100.00\% |
| 74 TO 75 HRS | 47 | 99.95\% | 149 TO 150 HRS | 0 | 100.00\% | 224 TO 225 HRS | 0 | 100.00\% | 299 TO 300 HRS | 0 | 100.00\% |
| 75 TO 76 HRS | 0 | 99.95\% | 150 TO 151 HRS | 0 | 100.00\% | 225 TO 226 HRS | 0 | 100.00\% | > 300 HRS | 0 | 100.00\% |
| 76 TO 77 HRS | 0 | 99.95\% | 151 TO 152 HRS | 0 | 100.00\% | 226 TO 227 HRS | 0 | 100.00\% | Total | 649,950 |  |
| 77 TO 78 HRS | 0 | 99.95\% | 152 TO 153 HRS | 0 | 100.00\% | 227 TO 228 HRS | 0 | 100.00\% |  |  |  |
| 78 TO 79 HRS | 0 | 99.95\% | 153 TO 154 HRS | 0 | 100.00\% | 228 TO 229 HRS | 0 | 100.00\% |  |  |  |
| 79 TO 80 HRS | 0 | 99.95\% | 154 TO 155 HRS | 0 | 100.00\% | 229 TO 230 HRS | 0 | 100.00\% |  |  |  |
| 80 TO 81 HRS | 0 | 99.95\% | 155 TO 156 HRS | 0 | 100.00\% | 230 TO 231 HRS | 0 | 100.00\% |  |  |  |
| 81 TO 82 HRS | 0 | 99.95\% | 156 TO 157 HRS | 0 | 100.00\% | 231 TO 232 HRS | 0 | 100.00\% |  |  |  |
| 82 TO 83 HRS | 0 | 99.95\% | 157 TO 158 HRS | 0 | 100.00\% | 232 TO 233 HRS | 0 | 100.00\% |  |  |  |
| 83 TO 84 HRS | 0 | 99.95\% | 158 TO 159 HRS | 0 | 100.00\% | 233 TO 234 HRS | 0 | 100.00\% |  |  |  |
| 84 TO 85 HRS | 0 | 99.95\% | 159 TO 160 HRS | 0 | 100.00\% | 234 TO 235 HRS | 0 | 100.00\% |  |  |  |
| 85 TO 86 HRS | 0 | 99.95\% | 160 TO 161 HRS | 0 | 100.00\% | 235 TO 236 HRS | 0 | 100.00\% |  |  |  |
| 86 TO 87 HRS | 0 | 99.95\% | 161 TO 162 HRS | 0 | 100.00\% | 236 TO 237 HRS | 0 | 100.00\% |  |  |  |
| 87 TO 88 HRS | 0 | 99.95\% | 162 TO 163 HRS | 0 | 100.00\% | 237 TO 238 HRS | 0 | 100.00\% |  |  |  |
| 88 TO 89 HRS | 0 | 99.95\% | 163 TO 164 HRS | 0 | 100.00\% | 238 TO 239 HRS | 0 | 100.00\% |  |  |  |
| 89 TO 90 HRS | 0 | 99.95\% | 164 TO 165 HRS | 0 | 100.00\% | 239 TO 240 HRS | 0 | 100.00\% |  |  |  |
| 90 TO 91 HRS | 0 | 99.95\% | 165 TO 166 HRS | 0 | 100.00\% | 240 TO 241 HRS | 0 | 100.00\% |  |  |  |
| 91 TO 92 HRS | 0 | 99.95\% | 166 TO 167 HRS | 0 | 100.00\% | 241 TO 242 HRS | 0 | 100.00\% |  |  |  |
| 92 TO 93 HRS | 0 | 99.95\% | 167 TO 168 HRS | 0 | 100.00\% | 242 TO 243 HR | 0 | 100.00 |  |  |  |

Table 12/ Figure 7 - December 26-28, 2006 Outage Event Duration Summary

| Outage <br> Duration | Date of <br> Outage | Description <br> of Outage | Number of <br> Customers <br> Affected |
| :---: | :---: | :---: | :---: |
| 0 TO 1 HRS | $12 / 26 / 2006$ | Noted in <br> Table 5 | 119,886 |
| 1 TO 5 HRS | $"$ | $"$ | 281,782 |
| 5 TO 10 HRS | $"$ | $"$ | 49,726 |
| 10 TO 15 HRS | $"$ | $"$ | 20,286 |
| 15 TO 20 HRS | $"$ | $"$ | 17,350 |
| 20 TO 24 HRS | $"$ | $"$ | 13,618 |
| $>=1$ AND <=2 | $"$ | $"$ | 18,899 |
| $>=2$ AND <=3 | $"$ | $"$ | 2,960 |
| $>=3$ AND <=4 | $"$ | $"$ | 1,178 |
| $>=4$ AND <=5 | $"$ | $"$ | 7 |
| $>=5$ AND <=6 | $"$ | $"$ | 4 |
| $>=6$ AND <=7 | $"$ | $"$ | 0 |
| $>7$ " | $"$ | $"$ | 0 |

Table 12 / Figure 8 - 2006 Outage Event Duration Graph


|  | $\begin{aligned} & \hline \text { Major Ev } \\ & \text { 12/26/06 } \end{aligned}$ | $\begin{aligned} & \hline \text { ent Days: } \\ & -12 / 28 / 06 \\ & \hline \end{aligned}$ |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Outage <br> Duration | Customers Restored | Cum ulative \% | Outage Duration | Customers Restored | $\begin{array}{\|c} \hline \text { Cum ulative } \\ \% \end{array}$ | Outage <br> Duration | Customers Restored | $\begin{array}{\|c} \text { Cum ulative } \\ \% \end{array}$ | Outage <br> Duration | Customers Restored | Cum ulative \% |
| 0 TO 1 HRS | 119,846 | 22.81\% | 93 TO 94 HRS | 29 | 100.00\% | 168 TO 169 HRS | 0 | 100.00\% | 243 TO 244 HRS | 0 | 100.00\% |
| 1 TO 5 HRS | 281,554 | 76.39\% | 94 TO 95 HRS | 0 | 100.00\% | 169 TO 170 HRS | 0 | 100.00\% | 244 TO 245 HRS | 0 | 100.00\% |
| 5 TO 10 HRS | 49,726 | 85.86\% | 95 TO 96 HRS | 0 | 100.00\% | 170 TO 171 HRS | 0 | 100.00\% | 245 TO 246 HRS | 0 | 100.00\% |
| 10 TO 15 HRS | 20,286 | 89.72\% | 96 TO 97 HRS | 0 | 100.00\% | 171 TO 172 HRS | 0 | 100.00\% | 246 TO 247 HRS | 0 | 100.00\% |
| 15 TO 20 HRS | 17,351 | 93.02\% | 97 TO 98 HRS | 0 | 100.00\% | 172 TO 173 HRS | 0 | 100.00\% | 247 TO 248 HRS | 0 | 100.00\% |
| 20 TO 24 HRS | 13,616 | 95.61\% | 98 TO 99 HRS | 0 | 100.00\% | 173 TO 174 HRS | 0 | 100.00\% | 248 TO 249 HRS | 0 | 100.00\% |
| 24 TO 25 HRS | 1,337 | 95.87\% | 99 TO 100 HRS | 0 | 100.00\% | 174 TO 175 HRS | 0 | 100.00\% | 249 TO 250 HRS | 0 | 100.00\% |
| 25 TO 26 HRS | 523 | 95.97\% | 100 TO 101 HRS | 1 | 100.00\% | 175 TO 176 HRS | 0 | 100.00\% | 250 TO 251 HRS | 0 | 100.00\% |
| 26 TO 27 HRS | 494 | 96.06\% | 101 TO 102 HRS | 0 | 100.00\% | 176 TO 177 HRS | 0 | 100.00\% | 251 TO 252 HRS | 0 | 100.00\% |
| 27 TO 28 HRS | 620 | 96.18\% | 102 TO 103 HRS | 0 | 100.00\% | 177 TO 178 HRS | 0 | 100.00\% | 252 TO 253 HRS | 0 | 100.00\% |
| 28 TO 29 HRS | 247 | 96.23\% | 103 TO 104 HRS | 0 | 100.00\% | 178 TO 179 HRS | 0 | 100.00\% | 253 TO 254 HRS | 0 | 100.00\% |
| 29 TO 30 HRS | 516 | 96.32\% | 104 TO 105 HRS | 0 | 100.00\% | 179 TO 180 HRS | 0 | 100.00\% | 254 TO 255 HRS | 0 | 100.00\% |
| 30 TO 31 HRS | 2,325 | 96.77\% | 105 TO 106 HRS | 6 | 100.00\% | 180 TO 181 HRS | 0 | 100.00\% | 255 TO 256 HRS | 0 | 100.00\% |
| 31 TO 32 HRS | 657 | 96.89\% | 106 TO 107 HRS | 0 | 100.00\% | 181 TO 182 HRS | 0 | 100.00\% | 256 TO 257 HRS | 0 | 100.00\% |
| 32 TO 33 HRS | 1,072 | 97.10\% | 107 TO 108 HRS | 0 | 100.00\% | 182 TO 183 HRS | 0 | 100.00\% | 257 TO 258 HRS | 0 | 100.00\% |
| 33 TO 34 HRS | 262 | 97.15\% | 108 TO 109 HRS | 0 | 100.00\% | 183 TO 184 HRS | 0 | 100.00\% | 258 TO 259 HRS | 0 | 100.00\% |
| 34 TO 35 HRS | 767 | 97.29\% | 109 TO 110 HRS | 0 | 100.00\% | 184 TO 185 HRS | 0 | 100.00\% | 259 TO 260 HRS | 0 | 100.00\% |
| 35 TO 36 HRS | 1,266 | 97.53\% | 110 TO 111 HRS | 0 | 100.00\% | 185 TO 186 HRS | 0 | 100.00\% | 260 TO 261 HRS | 0 | 100.00\% |
| 36 TO 37 HRS | 983 | 97.72\% | 111 TO 112 HRS | 0 | 100.00\% | 186 TO 187 HRS | 0 | 100.00\% | 261 TO 262 HRS | 0 | 100.00\% |
| 37 TO 38 HRS | 189 | 97.76\% | 112 TO 113 HRS | 0 | 100.00\% | 187 TO 188 HRS | 0 | 100.00\% | 262 TO 263 HRS | 0 | 100.00\% |
| 38 TO 39 HRS | 55 | 97.77\% | 113 TO 114 HRS | 0 | 100.00\% | 188 TO 189 HRS | 0 | 100.00\% | 263 TO 264 HRS | 0 | 100.00\% |
| 39 TO 40 HRS | 843 | 97.93\% | 114 TO 115 HRS | 0 | 100.00\% | 189 TO 190 HRS | 0 | 100.00\% | 264 TO 265 HRS | 0 | 100.00\% |
| 40 TO 41 HRS | 524 | 98.03\% | 115 TO 116 HRS | 0 | 100.00\% | 190 TO 191 HRS | 0 | 100.00\% | 265 TO 266 HRS | 0 | 100.00\% |
| 41 TO 42 HRS | 495 | 98.12\% | 116 TO 117 HRS | 0 | 100.00\% | 191 TO 192 HRS | 0 | 100.00\% | 266 TO 267 HRS | 0 | 100.00\% |
| 42 TO 43 HRS | 32 | 98.13\% | 117 TO 118 HRS | 0 | 100.00\% | 192 TO 193 HRS | 0 | 100.00\% | 267 TO 268 HRS | 0 | 100.00\% |
| 43 TO 44 HRS | 945 | 98.31\% | 118 TO 119 HRS | 0 | 100.00\% | 193 TO 194 HRS | 0 | 100.00\% | 268 TO 269 HRS | 0 | 100.00\% |
| 44 TO 45 HRS | 891 | 98.48\% | 119 TO 120 HRS | 0 | 100.00\% | 194 TO 195 HRS | 0 | 100.00\% | 269 TO 270 HRS | 0 | 100.00\% |
| 45 TO 46 HRS | 308 | 98.53\% | 120 TO 121 HRS | 0 | 100.00\% | 195 TO 196 HRS | 0 | 100.00\% | 270 TO 271 HRS | 0 | 100.00\% |
| 46 TO 47 HRS | 1,721 | 98.86\% | 121 TO 122 HRS | 0 | 100.00\% | 196 TO 197 HRS | 0 | 100.00\% | 271 TO 272 HRS | 0 | 100.00\% |
| 47 TO 48 HRS | 1,829 | 99.21\% | 122 TO 123 HRS | 0 | 100.00\% | 197 TO 198 HRS | 0 | 100.00\% | 272 TO 273 HRS | 0 | 100.00\% |
| 48 TO 49 HRS | 479 | 99.30\% | 123 TO 124 HRS | 0 | 100.00\% | 198 TO 199 HRS | 0 | 100.00\% | 273 TO 274 HRS | 0 | 100.00\% |
| 49 TO 50 HRS | 123 | 99.32\% | 124 TO 125 HRS | 0 | 100.00\% | 199 TO 200 HRS | 0 | 100.00\% | 274 TO 275 HRS | 0 | 100.00\% |
| 50 TO 51 HRS | 0 | 99.32\% | 125 TO 126 HRS | 4 | 100.00\% | 200 TO 201 HRS | 0 | 100.00\% | 275 TO 276 HRS | 0 | 100.00\% |
| 51 TO 52 HRS | 91 | 99.34\% | 126 TO 127 HRS | 0 | 100.00\% | 201 TO 202 HRS | 0 | 100.00\% | 276 TO 277 HRS | 0 | 100.00\% |
| 52 TO 53 HRS | 48 | 99.35\% | 127 TO 128 HRS | 0 | 100.00\% | 202 TO 203 HRS | 0 | 100.00\% | 277 TO 278 HRS | 0 | 100.00\% |
| 53 TO 54 HRS | 49 | 99.36\% | 128 TO 129 HRS | 0 | 100.00\% | 203 TO 204 HRS | 0 | 100.00\% | 278 TO 279 HRS | 0 | 100.00\% |
| 54 TO 55 HRS | 72 | 99.37\% | 129 TO 130 HRS | 0 | 100.00\% | 204 TO 205 HRS | 0 | 100.00\% | 279 TO 280 HRS | 0 | 100.00\% |
| 55 TO 56 HRS | 180 | 99.41\% | 130 TO 131 HRS | 0 | 100.00\% | 205 TO 206 HRS | 0 | 100.00\% | 280 TO 281 HRS | 0 | 100.00\% |
| 56 TO 57 HRS | 150 | 99.44\% | 131 TO 132 HRS | 0 | 100.00\% | 206 TO 207 HRS | 0 | 100.00\% | 281 TO 282 HRS | 0 | 100.00\% |
| 57 TO 58 HRS | 18 | 99.44\% | 132 TO 133 HRS | 0 | 100.00\% | 207 TO 208 HRS | 0 | 100.00\% | 282 TO 283 HRS | 0 | 100.00\% |
| 58 TO 59 HRS | 72 | 99.45\% | 133 TO 134 HRS | 0 | 100.00\% | 208 TO 209 HRS | 0 | 100.00\% | 283 TO 284 HRS | 0 | 100.00\% |
| 59 TO 60 HRS | 46 | 99.46\% | 134 TO 135 HRS | 0 | 100.00\% | 209 TO 210 HRS | 0 | 100.00\% | 284 TO 285 HRS | 0 | 100.00\% |
| 60 TO 61 HRS | 74 | 99.48\% | 135 TO 136 HRS | 0 | 100.00\% | 210 TO 211 HRS | 0 | 100.00\% | 285 TO 286 HRS | 0 | 100.00\% |
| 61 TO 62 HRS | 49 | 99.49\% | 136 TO 137 HRS | 0 | 100.00\% | 211 TO 212 HRS | 0 | 100.00\% | 286 TO 287 HRS | 0 | 100.00\% |
| 62 TO 63 HRS | 322 | 99.55\% | 137 TO 138 HRS | 0 | 100.00\% | 212 TO 213 HRS | 0 | 100.00\% | 287 TO 288 HRS | 0 | 100.00\% |
| 63 TO 64 HRS | 404 | 99.62\% | 138 TO 139 HRS | 0 | 100.00\% | 213 TO 214 HRS | 0 | 100.00\% | 288 TO 289 HRS | 0 | 100.00\% |
| 64 TO 65 HRS | 310 | 99.68\% | 139 TO 140 HRS | 0 | 100.00\% | 214 TO 215 HRS | 0 | 100.00\% | 289 TO 290 HRS | 0 | 100.00\% |
| 65 TO 66 HRS | 129 | 99.71\% | 140 TO 141 HRS | 0 | 100.00\% | 215 TO 216 HRS | 0 | 100.00\% | 290 TO 291 HRS | 0 | 100.00\% |
| 66 TO 67 HRS | 298 | 99.76\% | 141 TO 142 HRS | 0 | 100.00\% | 216 TO 217 HRS | 0 | 100.00\% | 291 TO 292 HRS | 0 | 100.00\% |
| 67 TO 68 HRS | 31 | 99.77\% | 142 TO 143 HRS | 0 | 100.00\% | 217 TO 218 HRS | 0 | 100.00\% | 292 TO 293 HRS | 0 | 100.00\% |
| 68 TO 69 HRS | 0 | 99.77\% | 143 TO 144 HRS | 0 | 100.00\% | 218 TO 219 HRS | 0 | 100.00\% | 293 TO 294 HRS | 0 | 100.00\% |
| 69 TO 70 HRS | 0 | 99.77\% | 144 TO 145 HRS | 0 | 100.00\% | 219 TO 220 HRS | 0 | 100.00\% | 294 TO 295 HRS | 0 | 100.00\% |
| 70 TO 71 HRS | 0 | 99.77\% | 145 TO 146 HRS | 0 | 100.00\% | 220 TO 221 HRS | 0 | 100.00\% | 295 TO 296 HRS | 0 | 100.00\% |
| 71 TO 72 HRS | 15 | 99.77\% | 146 TO 147 HRS | 0 | 100.00\% | 221 TO 222 HRS | 0 | 100.00\% | 296 TO 297 HRS | 0 | 100.00\% |
| 72 TO 73 HRS | 0 | 99.77\% | 147 TO 148 HRS | 0 | 100.00\% | 222 TO 223 HRS | 0 | 100.00\% | 297 TO 298 HRS | 0 | 100.00\% |
| 73 TO 74 HRS | 107 | 99.79\% | 148 TO 149 HRS | 0 | 100.00\% | 223 TO 224 HRS | 0 | 100.00\% | 298 TO 299 HRS | 0 | 100.00\% |
| 74 TO 75 HRS | 15 | 99.80\% | 149 TO 150 HRS | 0 | 100.00\% | 224 TO 225 HRS | 0 | 100.00\% | 299 TO 300 HRS | 0 | 100.00\% |
| 75 TO 76 HRS | 0 | 99.80\% | 150 TO 151 HRS | 0 | 100.00\% | 225 TO 226 HRS | 0 | 100.00\% | > 300 HRS | 0 | 100.00\% |
| 76 TO 77 HRS | 28 | 99.80\% | 151 TO 152 HRS | 0 | 100.00\% | 226 TO 227 HRS | 0 | 100.00\% | Total | 525,429 |  |
| 77 TO 78 HRS | 565 | 99.91\% | 152 TO 153 HRS | 0 | 100.00\% | 227 TO 228 HRS | 0 | 100.00\% |  |  |  |
| 78 TO 79 HRS | 270 | 99.96\% | 153 TO 154 HRS | 0 | 100.00\% | 228 TO 229 HRS | 0 | 100.00\% |  |  |  |
| 79 TO 80 HRS | 0 | 99.96\% | 154 TO 155 HRS | 0 | 100.00\% | 229 TO 230 HRS | 0 | 100.00\% |  |  |  |
| 80 TO 81 HRS | 0 | 99.96\% | 155 TO 156 HRS | 0 | 100.00\% | 230 TO 231 HRS | 0 | 100.00\% |  |  |  |
| 81 TO 82 HRS | 8 | 99.96\% | 156 TO 157 HRS | 0 | 100.00\% | 231 TO 232 HRS | 0 | 100.00\% |  |  |  |
| 82 TO 83 HRS | 93 | 99.98\% | 157 TO 158 HRS | 0 | 100.00\% | 232 TO 233 HRS | 0 | 100.00\% |  |  |  |
| 83 TO 84 HRS | 23 | 99.98\% | 158 TO 159 HRS | 0 | 100.00\% | 233 TO 234 HRS | 0 | 100.00\% |  |  |  |
| 84 TO 85 HRS | 22 | 99.99\% | 159 TO 160 HRS | 0 | 100.00\% | 234 TO 235 HRS | 0 | 100.00\% |  |  |  |
| 85 TO 86 HRS | 0 | 99.99\% | 160 TO 161 HRS | 0 | 100.00\% | 235 TO 236 HRS | 0 | 100.00\% |  |  |  |
| 86 TO 87 HRS | 18 | 99.99\% | 161 TO 162 HRS | 0 | 100.00\% | 236 TO 237 HRS | 0 | 100.00\% |  |  |  |
| 87 TO 88 HRS | 0 | 99.99\% | 162 TO 163 HRS | 0 | 100.00\% | 237 TO 238 HRS | 0 | 100.00\% |  |  |  |
| 88 TO 89 HRS | 0 | 99.99\% | 163 TO 164 HRS | 0 | 100.00\% | 238 TO 239 HRS | 0 | 100.00\% |  |  |  |
| 89 TO 90 HRS | 0 | 99.99\% | 164 TO 165 HRS | 0 | 100.00\% | 239 TO 240 HRS | 0 | 100.00\% |  |  |  |
| 90 TO 91 HRS | 0 | 99.99\% | 165 TO 166 HRS | 0 | 100.00\% | 240 TO 241 HRS | 0 | 100.00\% |  |  |  |
| 91 TO 92 HRS | 0 | 99.99\% | 166 TO 167 HRS | 0 | 100.00\% | 241 TO 242 HRS | 0 | 100.00\% |  |  |  |
| 92 TO 93 HRS | 0 | 99.99\% | 167 TO 168 HRS | 0 | 100.00\% | 242 TO 243 HRS | 0 | 100.00\% |  |  |  |

## Year 2005 Excludable Major Events:

Of the ten largest events listed in Table 5, two events, December 18-20 and December 30-31, met the CPUC definition of a major event. Tables $6 \& 7$ indicate the number of customers without service at the requested periodic intervals for this event.

Table 6 - December 18-20, 2005 Outage Event Duration Summary

| Outage <br> Duration | Date of Outage | Description of <br> Outage | Number of <br> Customers <br> Affected |
| :--- | :---: | :---: | ---: |
| 0 TO 1 HRS | $12 / 18 / 2005$ | Noted in Table 5 | 23,963 |
| 1 TO 5 HRS | $"$ | $"$ | 77,958 |
| 5 TO 10 HRS | $"$ | $"$ | 16,446 |
| 10 TO 15 HRS | $"$ | $"$ | 1,897 |
| 15 TO 20 HRS | $"$ | $"$ | 1,640 |
| 20 TO 24 HRS | $"$ | $"$ | 50 |
| >=1 AND <=2 Days | $"$ | $"$ | 1,577 |
| $>=2$ AND <=3 Days | $"$ | $"$ | 7 |

Note: The number of customer outages segmented by hourly restoration periods requires a level of detail not normally maintained by PG\&E in its central computerized records. The information shown here is what PG\&E has been able to reconstruct from several databases and may have a margin of error of up to $5 \%$.

Figure 1 - December 18-20, 2005 Outage Event Duration Summary


2005 Outage Duration Details (December 18-20)

|  | $\begin{aligned} & \hline \text { Major Event Days: } \\ & \text { 12/18/05-12/20/05 } \\ & \hline \end{aligned}$ |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Outage <br> Duration | Customers Restored | Cumulative \% | Outage <br> Duration | Customers Restored | Cumulative \% | Outage Duration | Customers Restored | Cum ulative \% | Outage Duration | Customers Restored | Cumulative \% |
| 0 TO 1 HRS | 23,963 | 19.40\% | 93 TO 94 HRS | 0 | 100.00\% | 168 TO 169 HRS | 0 | 100.00\% | 243 TO 244 HRS | 0 | 100.00\% |
| 1 TO 5 HRS | 77,958 | 82.50\% | 94 TO 95 HRS | 0 | 100.00\% | 169 TO 170 HRS | 0 | 100.00\% | 244 TO 245 HRS | 0 | 100.00\% |
| 5 TO 10 HRS | 16,446 | 95.81\% | 95 TO 96 HRS | 0 | 100.00\% | 170 TO 171 HRS | 0 | 100.00\% | 245 TO 246 HRS | 0 | 100.00\% |
| 10 TO 15 HRS | 1,897 | 97.35\% | 96 TO 97 HRS | 0 | 100.00\% | 171 TO 172 HRS | 0 | 100.00\% | 246 TO 247 HRS | 0 | 100.00\% |
| 15 TO 20 HRS | 1,640 | 98.68\% | 97 TO 98 HRS | 0 | 100.00\% | 172 TO 173 HRS | 0 | 100.00\% | 247 TO 248 HRS | 0 | 100.00\% |
| 20 TO 24 HRS | 50 | 98.72\% | 98 TO 99 HRS | 0 | 100.00\% | 173 TO 174 HRS | 0 | 100.00\% | 248 TO 249 HRS | 0 | 100.00\% |
| 24 TO 25 HRS | 0 | 98.72\% | 99 TO 100 HRS | 0 | 100.00\% | 174 TO 175 HRS | 0 | 100.00\% | 249 TO 250 HRS | 0 | 100.00\% |
| 25 TO 26 HRS | 10 | 98.73\% | 100 TO 101 HRS | 0 | 100.00\% | 175 TO 176 HRS | 0 | 100.00\% | 250 TO 251 HRS | 0 | 100.00\% |
| 26 TO 27 HRS | 106 | 98.81\% | 101 TO 102 HRS | 0 | 100.00\% | 176 TO 177 HRS | 0 | 100.00\% | 251 TO 252 HRS | 0 | 100.00\% |
| 27 TO 28 HRS | 59 | 98.86\% | 102 TO 103 HRS | 0 | 100.00\% | 177 TO 178 HRS | 0 | 100.00\% | 252 TO 253 HRS | 0 | 100.00\% |
| 28 TO 29 HRS | 640 | 99.38\% | 103 TO 104 HRS | 0 | 100.00\% | 178 TO 179 HRS | 0 | 100.00\% | 253 TO 254 HRS | 0 | 100.00\% |
| 29 TO 30 HRS | 560 | 99.83\% | 104 TO 105 HRS | 0 | 100.00\% | 179 TO 180 HRS | 0 | 100.00\% | 254 TO 255 HRS | 0 | 100.00\% |
| 30 TO 31 HRS | 8 | 99.84\% | 105 TO 106 HRS | 0 | 100.00\% | 180 TO 181 HRS | 0 | 100.00\% | 255 TO 256 HRS | 0 | 100.00\% |
| 31 TO 32 HRS | 0 | 99.84\% | 106 TO 107 HRS | 0 | 100.00\% | 181 TO 182 HRS | 0 | 100.00\% | 256 TO 257 HRS | 0 | 100.00\% |
| 32 TO 33 HRS | 2 | 99.84\% | 107 TO 108 HRS | 0 | 100.00\% | 182 TO 183 HRS | 0 | 100.00\% | 257 TO 258 HRS | 0 | 100.00\% |
| 33 TO 34 HRS | 0 | 99.84\% | 108 TO 109 HRS | 0 | 100.00\% | 183 TO 184 HRS | 0 | 100.00\% | 258 TO 259 HRS | 0 | 100.00\% |
| 34 TO 35 HRS | 0 | 99.84\% | 109 TO 110 HRS | 0 | 100.00\% | 184 TO 185 HRS | 0 | 100.00\% | 259 TO 260 HRS | 0 | 100.00\% |
| 35 TO 36 HRS | 0 | 99.84\% | 110 TO 111 HRS | 0 | 100.00\% | 185 TO 186 HRS | 0 | 100.00\% | 260 TO 261 HRS | 0 | 100.00\% |
| 36 TO 37 HRS | 0 | 99.84\% | 111 TO 112 HRS | 0 | 100.00\% | 186 TO 187 HRS | 0 | 100.00\% | 261 TO 262 HRS | 0 | 100.00\% |
| 37 TO 38 HRS | 0 | 99.84\% | 112 TO 113 HRS | 0 | 100.00\% | 187 TO 188 HRS | 0 | 100.00\% | 262 TO 263 HRS | 0 | 100.00\% |
| 38 TO 39 HRS | 16 | 99.85\% | 113 TO 114 HRS | 0 | 100.00\% | 188 TO 189 HRS | 0 | 100.00\% | 263 TO 264 HRS | 0 | 100.00\% |
| 39 TO 40 HRS | 6 | 99.86\% | 114 TO 115 HRS | 0 | 100.00\% | 189 TO 190 HRS | 0 | 100.00\% | 264 TO 265 HRS | 0 | 100.00\% |
| 40 TO 41 HRS | 0 | 99.86\% | 115 TO 116 HRS | 0 | 100.00\% | 190 TO 191 HRS | 0 | 100.00\% | 265 TO 266 HRS | 0 | 100.00\% |
| 41 TO 42 HRS | 0 | 99.86\% | 116 TO 117 HRS | 0 | 100.00\% | 191 TO 192 HRS | 0 | 100.00\% | 266 TO 267 HRS | 0 | 100.00\% |
| 42 TO 43 HRS | 0 | 99.86\% | 117 TO 118 HRS | 0 | 100.00\% | 192 TO 193 HRS | 0 | 100.00\% | 267 TO 268 HRS | 0 | 100.00\% |
| 43 TO 44 HRS | 137 | 99.97\% | 118 TO 119 HRS | 0 | 100.00\% | 193 TO 194 HRS | 0 | 100.00\% | 268 TO 269 HRS | 0 | 100.00\% |
| 44 TO 45 HRS | 33 | 99.99\% | 119 TO 120 HRS | 0 | 100.00\% | 194 TO 195 HRS | 0 | 100.00\% | 269 TO 270 HRS | 0 | 100.00\% |
| 45 TO 46 HRS | 0 | 99.99\% | 120 TO 121 HRS | 0 | 100.00\% | 195 TO 196 HRS | 0 | 100.00\% | 270 TO 271 HRS | 0 | 100.00\% |
| 46 TO 47 HRS | 0 | 99.99\% | 121 TO 122 HRS | 0 | 100.00\% | 196 TO 197 HRS | 0 | 100.00\% | 271 TO 272 HRS | 0 | 100.00\% |
| 47 TO 48 HRS | 0 | 99.99\% | 122 TO 123 HRS | 0 | 100.00\% | 197 TO 198 HRS | 0 | 100.00\% | 272 TO 273 HRS | 0 | 100.00\% |
| 48 TO 49 HRS | 7 | 100.00\% | 123 TO 124 HRS | 0 | 100.00\% | 198 TO 199 HRS | 0 | 100.00\% | 273 TO 274 HRS | 0 | 100.00\% |
| 49 TO 50 HRS | 0 | 100.00\% | 124 TO 125 HRS | 0 | 100.00\% | 199 TO 200 HRS | 0 | 100.00\% | 274 TO 275 HRS | 0 | 100.00\% |
| 50 TO 51 HRS | 0 | 100.00\% | 125 TO 126 HRS | 0 | 100.00\% | 200 TO 201 HRS | 0 | 100.00\% | 275 TO 276 HRS | 0 | 100.00\% |
| 51 TO 52 HRS | 0 | 100.00\% | 126 TO 127 HRS | 0 | 100.00\% | 201 TO 202 HRS | 0 | 100.00\% | 276 TO 277 HRS | 0 | 100.00\% |
| 52 TO 53 HRS | 0 | 100.00\% | 127 TO 128 HRS | 0 | 100.00\% | 202 TO 203 HRS | 0 | 100.00\% | 277 TO 278 HRS | 0 | 100.00\% |
| 53 TO 54 HRS | 0 | 100.00\% | 128 TO 129 HRS | 0 | 100.00\% | 203 TO 204 HRS | 0 | 100.00\% | 278 TO 279 HRS | 0 | 100.00\% |
| 54 TO 55 HRS | 0 | 100.00\% | 129 TO 130 HRS | 0 | 100.00\% | 204 TO 205 HRS | 0 | 100.00\% | 279 TO 280 HRS | 0 | 100.00\% |
| 55 TO 56 HRS | 0 | 100.00\% | 130 TO 131 HRS | 0 | 100.00\% | 205 TO 206 HRS | 0 | 100.00\% | 280 TO 281 HRS | 0 | 100.00\% |
| 56 TO 57 HRS | 0 | 100.00\% | 131 TO 132 HRS | 0 | 100.00\% | 206 TO 207 HRS | 0 | 100.00\% | 281 TO 282 HRS | 0 | 100.00\% |
| 57 TO 58 HRS | 0 | 100.00\% | 132 TO 133 HRS | 0 | 100.00\% | 207 TO 208 HRS | 0 | 100.00\% | 282 TO 283 HRS | 0 | 100.00\% |
| 58 TO 59 HRS | 0 | 100.00\% | 133 TO 134 HRS | 0 | 100.00\% | 208 TO 209 HRS | 0 | 100.00\% | 283 TO 284 HRS | 0 | 100.00\% |
| 59 TO 60 HRS | 0 | 100.00\% | 134 TO 135 HRS | 0 | 100.00\% | 209 TO 210 HRS | 0 | 100.00\% | 284 TO 285 HRS | 0 | 100.00\% |
| 60 TO 61 HRS | 0 | 100.00\% | 135 TO 136 HRS | 0 | 100.00\% | 210 TO 211 HRS | 0 | 100.00\% | 285 TO 286 HRS | 0 | 100.00\% |
| 61 TO 62 HRS | 0 | 100.00\% | 136 TO 137 HRS | 0 | 100.00\% | 211 TO 212 HRS | 0 | 100.00\% | 286 TO 287 HRS | 0 | 100.00\% |
| 62 TO 63 HRS | 0 | 100.00\% | 137 TO 138 HRS | 0 | 100.00\% | 212 TO 213 HRS | 0 | 100.00\% | 287 TO 288 HRS | 0 | 100.00\% |
| 63 TO 64 HRS | 0 | 100.00\% | 138 TO 139 HRS | 0 | 100.00\% | 213 TO 214 HRS | 0 | 100.00\% | 288 TO 289 HRS | 0 | 100.00\% |
| 64 TO 65 HRS | 0 | 100.00\% | 139 TO 140 HRS | 0 | 100.00\% | 214 TO 215 HRS | 0 | 100.00\% | 289 TO 290 HRS | 0 | 100.00\% |
| 65 TO 66 HRS | 0 | 100.00\% | 140 TO 141 HRS | 0 | 100.00\% | 215 TO 216 HRS | 0 | 100.00\% | 290 TO 291 HRS | 0 | 100.00\% |
| 66 TO 67 HRS | 0 | 100.00\% | 141 TO 142 HRS | 0 | 100.00\% | 216 TO 217 HRS | 0 | 100.00\% | 291 TO 292 HRS | 0 | 100.00\% |
| 67 TO 68 HRS | 0 | 100.00\% | 142 TO 143 HRS | 0 | 100.00\% | 217 TO 218 HRS | 0 | 100.00\% | 292 TO 293 HRS | 0 | 100.00\% |
| 68 TO 69 HRS | 0 | 100.00\% | 143 TO 144 HRS | 0 | 100.00\% | 218 TO 219 HRS | 0 | 100.00\% | 293 TO 294 HRS | 0 | 100.00\% |
| 69 TO 70 HRS | 0 | 100.00\% | 144 TO 145 HRS | 0 | 100.00\% | 219 TO 220 HRS | 0 | 100.00\% | 294 TO 295 HRS | 0 | 100.00\% |
| 70 TO 71 HRS | 0 | 100.00\% | 145 TO 146 HRS | 0 | 100.00\% | 220 TO 221 HRS | 0 | 100.00\% | 295 TO 296 HRS | 0 | 100.00\% |
| 71 TO 72 HRS | 0 | 100.00\% | 146 TO 147 HRS | 0 | 100.00\% | 221 TO 222 HRS | 0 | 100.00\% | 296 TO 297 HRS | 0 | 100.00\% |
| 72 TO 73 HRS | 0 | 100.00\% | 147 TO 148 HRS | 0 | 100.00\% | 222 TO 223 HRS | 0 | 100.00\% | 297 TO 298 HRS | 0 | 100.00\% |
| 73 TO 74 HRS | 0 | 100.00\% | 148 TO 149 HRS | 0 | 100.00\% | 223 TO 224 HRS | 0 | 100.00\% | 298 TO 299 HRS | 0 | 100.00\% |
| 74 TO 75 HRS | 0 | 100.00\% | 149 TO 150 HRS | 0 | 100.00\% | 224 TO 225 HRS | 0 | 100.00\% | 299 TO 300 HRS | 0 | 100.00\% |
| 75 TO 76 HRS | 0 | 100.00\% | 150 TO 151 HRS | 0 | 100.00\% | 225 TO 226 HRS | 0 | 100.00\% | $>300$ HRS | 0 | 100.00\% |
| 76 TO 77 HRS | 0 | 100.00\% | 151 TO 152 HRS | 0 | 100.00\% | 226 TO 227 HRS | 0 | 100.00\% | Total | 123,538 |  |
| 77 TO 78 HRS | 0 | 100.00\% | 152 TO 153 HRS | 0 | 100.00\% | 227 TO 228 HRS | 0 | 100.00\% |  |  |  |
| 78 TO 79 HRS | 0 | 100.00\% | 153 TO 154 HRS | 0 | 100.00\% | 228 TO 229 HRS | 0 | 100.00\% |  |  |  |
| 79 TO 80 HRS | 0 | 100.00\% | 154 TO 155 HRS | 0 | 100.00\% | 229 TO 230 HRS | 0 | 100.00\% |  |  |  |
| 80 TO 81 HRS | 0 | 100.00\% | 155 TO 156 HRS | 0 | 100.00\% | 230 TO 231 HRS | 0 | 100.00\% |  |  |  |
| 81 TO 82 HRS | 0 | 100.00\% | 156 TO 157 HRS | 0 | 100.00\% | 231 TO 232 HRS | 0 | 100.00\% |  |  |  |
| 82 TO 83 HRS | 0 | 100.00\% | 157 TO 158 HRS | 0 | 100.00\% | 232 TO 233 HRS | 0 | 100.00\% |  |  |  |
| 83 TO 84 HRS | 0 | 100.00\% | 158 TO 159 HRS | 0 | 100.00\% | 233 TO 234 HRS | 0 | 100.00\% |  |  |  |
| 84 TO 85 HRS | 0 | 100.00\% | 159 TO 160 HRS | 0 | 100.00\% | 234 TO 235 HRS | 0 | 100.00\% |  |  |  |
| 85 TO 86 HRS | 0 | 100.00\% | 160 TO 161 HRS | 0 | 100.00\% | 235 TO 236 HRS | 0 | 100.00\% |  |  |  |
| 86 TO 87 HRS | 0 | 100.00\% | 161 TO 162 HRS | 0 | 100.00\% | 236 TO 237 HRS | 0 | 100.00\% |  |  |  |
| 87 TO 88 HRS | 0 | 100.00\% | 162 TO 163 HRS | 0 | 100.00\% | 237 TO 238 HRS | 0 | 100.00\% |  |  |  |
| 88 TO 89 HRS | 0 | 100.00\% | 163 TO 164 HRS | 0 | 100.00\% | 238 TO 239 HRS | 0 | 100.00\% |  |  |  |
| 89 TO 90 HRS | 0 | 100.00\% | 164 TO 165 HRS | 0 | 100.00\% | 239 TO 240 HRS | 0 | 100.00\% |  |  |  |
| 90 TO 91 HRS | 0 | 100.00\% | 165 TO 166 HRS | 0 | 100.00\% | 240 TO 241 HRS | 0 | 100.00\% |  |  |  |
| 91 TO 92 HRS | 0 | 100.00\% | 166 TO 167 HRS | 0 | 100.00\% | 241 TO 242 HRS | 0 | 100.00\% |  |  |  |
| 92 TO 93 HRS | 0 | 100.00\% | 167 TO 168 HRS | 0 | 100.00\% | 242 TO 243 HRS | 0 | 100.00\% |  |  |  |

Table 7 - December 30-31, 2005 Outage Event Duration Summary

| Outage Duration | Date of Outage | Description of Outage | Customers Affected |
| :---: | :---: | :---: | :---: |
| 0 TO 1 HRS | 12/30-12/31/2005 | Noted in Table 5 | 84,112 |
| 1 TO 5 HRS | " | " | 302,496 |
| 5 TO 10 HRS | " | " | 97,544 |
| 10 TO 16 HRS | " | " | 30,534 |
| 15 TO 20 HRS | " | " | 15,919 |
| 20 TO 24 HRS | " | " | 18,220 |
| >=1 AND <=2 Days | " | " | 32,842 |
| >=2 AND <=3 Days | " | " | 6,500 |
| >=3 AND <=4 Days | " | " | 6,561 |
| $>=4$ AND <=5 Days | " | " | 1,093 |
| $>=5$ AND <=6 Days | " | " | 1,434 |
| >=6 AND <=7 Days | " | " | 391 |
| $>7$ Days | " | " | 0 |

Note: The number of customer outages segmented by hourly restoration periods requires a level of detail not normally maintained by PG\&E in its central computerized records. The information shown here is what PG\&E has been able to reconstruct from several databases and may have a margin of error of up to $5 \%$.

Figure 2 - December 30-31, 2005 Outage Event Duration


2005 Outage Duration Details (December 30-31)

|  | Major Event Days:12/30/05-12/31/05 |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Outage <br> Duration | Customers Restored | $\begin{array}{\|c} \text { Cum ulative } \\ \% \end{array}$ | Outage Duration | Customers Restored | Cum ulative \% | Outage Duration | Customers Restored | Cum ulative \% | Outage Duration | Customers Restored | $\begin{array}{\|c} \hline \text { Cum ulative } \\ \% \end{array}$ |
| 0 TO 1 HRS | 84,112 | 14.07\% | 93 TO 94 HRS | 15 | 99.51\% | 168 TO 169 HRS | 0 | 100.00\% | 243 TO 244 HRS | 0 | 100.00\% |
| 1 TO 5 HRS | 302,496 | 64.69\% | 94 TO 95 HRS | 0 | 99.51\% | 169 TO 170 HRS | 0 | 100.00\% | 244 TO 245 HRS | 0 | 100.00\% |
| 5 TO 10 HRS | 97,544 | 81.01\% | 95 TO 96 HRS | 31 | 99.51\% | 170 TO 171 HRS | 0 | 100.00\% | 245 TO 246 HRS | 0 | 100.00\% |
| 10 TO 15 HRS | 30,534 | 86.12\% | 96 TO 97 HRS | 0 | 99.51\% | 171 TO 172 HRS | 0 | 100.00\% | 246 TO 247 HRS | 0 | 100.00\% |
| 15 TO 20 HRS | 15,919 | 88.78\% | 97 TO 98 HRS | 2 | 99.51\% | 172 TO 173 HRS | 0 | 100.00\% | 247 TO 248 HRS | 0 | 100.00\% |
| 20 TO 24 HRS | 18,220 | 91.83\% | 98 TO 99 HRS | 0 | 99.51\% | 173 TO 174 HRS | 0 | 100.00\% | 248 TO 249 HRS | 0 | 100.00\% |
| 24 TO 25 HRS | 1,482 | 92.08\% | 99 TO 100 HRS | 109 | 99.53\% | 174 TO 175 HRS | 0 | 100.00\% | 249 TO 250 HRS | 0 | 100.00\% |
| 25 TO 26 HRS | 2,143 | 92.44\% | 100 TO 101 HRS | 96 | 99.55\% | 175 TO 176 HRS | 0 | 100.00\% | 250 TO 251 HRS | 0 | 100.00\% |
| 26 TO 27 HRS | 1,813 | 92.74\% | 101 TO 102 HRS | 107 | 99.56\% | 176 TO 177 HRS | 0 | 100.00\% | 251 TO 252 HRS | 0 | 100.00\% |
| 27 TO 28 HRS | 3,278 | 93.29\% | 102 TO 103 HRS | 47 | 99.57\% | 177 TO 178 HRS | 0 | 100.00\% | 252 TO 253 HRS | 0 | 100.00\% |
| 28 TO 29 HRS | 5,595 | 94.23\% | 103 TO 104 HRS | 28 | 99.58\% | 178 TO 179 HRS | 0 | 100.00\% | 253 TO 254 HRS | 0 | 100.00\% |
| 29 TO 30 HRS | 867 | 94.37\% | 104 TO 105 HRS | 122 | 99.60\% | 179 TO 180 HRS | 0 | 100.00\% | 254 TO 255 HRS | 0 | 100.00\% |
| 30 TO 31 HRS | 2,452 | 94.78\% | 105 TO 106 HRS | 27 | 99.60\% | 180 TO 181 HRS | 0 | 100.00\% | 255 TO 256 HRS | 0 | 100.00\% |
| 31 TO 32 HRS | 1,458 | 95.02\% | 106 TO 107 HRS | 24 | 99.61\% | 181 TO 182 HRS | 0 | 100.00\% | 256 TO 257 HRS | 0 | 100.00\% |
| 32 TO 33 HRS | 1,671 | 95.30\% | 107 TO 108 HRS | 119 | 99.63\% | 182 TO 183 HRS | 0 | 100.00\% | 257 TO 258 HRS | 0 | 100.00\% |
| 33 TO 34 HRS | 1,951 | 95.63\% | 108 TO 109 HRS | 5 | 99.63\% | 183 TO 184 HRS | 0 | 100.00\% | 258 TO 259 HRS | 0 | 100.00\% |
| 34 TO 35 HRS | 1,346 | 95.86\% | 109 TO 110 HRS | 226 | 99.66\% | 184 TO 185 HRS | 0 | 100.00\% | 259 TO 260 HRS | 0 | 100.00\% |
| 35 TO 36 HRS | 797 | 95.99\% | 110 TO 111 HRS | 0 | 99.66\% | 185 TO 186 HRS | 0 | 100.00\% | 260 TO 261 HRS | 0 | 100.00\% |
| 36 TO 37 HRS | 172 | 96.02\% | 111 TO 112 HRS | 52 | 99.67\% | 186 TO 187 HRS | 0 | 100.00\% | 261 TO 262 HRS | 0 | 100.00\% |
| 37 TO 38 HRS | 1,343 | 96.24\% | 112 TO 113 HRS | 0 | 99.67\% | 187 TO 188 HRS | 0 | 100.00\% | 262 TO 263 HRS | 0 | 100.00\% |
| 38 TO 39 HRS | 4,793 | 97.05\% | 113 TO 114 HRS | 3 | 99.67\% | 188 TO 189 HRS | 0 | 100.00\% | 263 TO 264 HRS | 0 | 100.00\% |
| 39 TO 40 HRS | 241 | 97.09\% | 114 TO 115 HRS | 56 | 99.68\% | 189 TO 190 HRS | 0 | 100.00\% | 264 TO 265 HRS | 0 | 100.00\% |
| 40 TO 41 HRS | 561 | 97.18\% | 115 TO 116 HRS | 0 | 99.68\% | 190 TO 191 HRS | 0 | 100.00\% | 265 TO 266 HRS | 0 | 100.00\% |
| 41 TO 42 HRS | 18 | 97.18\% | 116 TO 117 HRS | 0 | 99.68\% | 191 TO 192 HRS | 0 | 100.00\% | 266 TO 267 HRS | 0 | 100.00\% |
| 42 TO 43 HRS | 4 | 97.18\% | 117 TO 118 HRS | 55 | 99.69\% | 192 TO 193 HRS | 0 | 100.00\% | 267 TO 268 HRS | 0 | 100.00\% |
| 43 TO 44 HRS | 7 | 97.18\% | 118 TO 119 HRS | 0 | 99.69\% | 193 TO 194 HRS | 0 | 100.00\% | 268 TO 269 HRS | 0 | 100.00\% |
| 44 TO 45 HRS | 306 | 97.24\% | 119 TO 120 HRS | 15 | 99.69\% | 194 TO 195 HRS | 0 | 100.00\% | 269 TO 270 HRS | 0 | 100.00\% |
| 45 TO 46 HRS | 304 | 97.29\% | 120 TO 121 HRS | 77 | 99.71\% | 195 TO 196 HRS | 0 | 100.00\% | 270 TO 271 HRS | 0 | 100.00\% |
| 46 TO 47 HRS | 99 | 97.30\% | 121 TO 122 HRS | 16 | 99.71\% | 196 TO 197 HRS | 0 | 100.00\% | 271 TO 272 HRS | 0 | 100.00\% |
| 47 TO 48 HRS | 141 | 97.33\% | 122 TO 123 HRS | 323 | 99.76\% | 197 TO 198 HRS | 0 | 100.00\% | 272 TO 273 HRS | 0 | 100.00\% |
| 48 TO 49 HRS | 521 | 97.41\% | 123 TO 124 HRS | 0 | 99.76\% | 198 TO 199 HRS | 0 | 100.00\% | 273 TO 274 HRS | 0 | 100.00\% |
| 49 TO 50 HRS | 344 | 97.47\% | 124 TO 125 HRS | 2 | 99.76\% | 199 TO 200 HRS | 0 | 100.00\% | 274 TO 275 HRS | 0 | 100.00\% |
| 50 TO 51 HRS | 217 | 97.51\% | 125 TO 126 HRS | 507 | 99.85\% | 200 TO 201 HRS | 0 | 100.00\% | 275 TO 276 HRS | 0 | 100.00\% |
| 51 TO 52 HRS | 267 | 97.55\% | 126 TO 127 HRS | 275 | 99.90\% | 201 TO 202 HRS | 0 | 100.00\% | 276 TO 277 HRS | 0 | 100.00\% |
| 52 TO 53 HRS | 497 | 97.64\% | 127 TO 128 HRS | 0 | 99.90\% | 202 TO 203 HRS | 0 | 100.00\% | 277 TO 278 HRS | 0 | 100.00\% |
| 53 TO 54 HRS | 419 | 97.71\% | 128 TO 129 HRS | 145 | 99.92\% | 203 TO 204 HRS | 0 | 100.00\% | 278 TO 279 HRS | 0 | 100.00\% |
| 54 TO 55 HRS | 413 | 97.77\% | 129 TO 130 HRS | 31 | 99.92\% | 204 TO 205 HRS | 0 | 100.00\% | 279 TO 280 HRS | 0 | 100.00\% |
| 55 TO 56 HRS | 209 | 97.81\% | 130 TO 131 HRS | 0 | 99.92\% | 205 TO 206 HRS | 0 | 100.00\% | 280 TO 281 HRS | 0 | 100.00\% |
| 56 TO 57 HRS | 145 | 97.83\% | 131 TO 132 HRS | 0 | 99.92\% | 206 TO 207 HRS | 0 | 100.00\% | 281 TO 282 HRS | 0 | 100.00\% |
| 57 TO 58 HRS | 271 | 97.88\% | 132 TO 133 HRS | 26 | 99.93\% | 207 TO 208 HRS | 0 | 100.00\% | 282 TO 283 HRS | 0 | 100.00\% |
| 58 TO 59 HRS | 1,692 | 98.16\% | 133 TO 134 HRS | 0 | 99.93\% | 208 TO 209 HRS | 0 | 100.00\% | 283 TO 284 HRS | 0 | 100.00\% |
| 59 TO 60 HRS | 382 | 98.23\% | 134 TO 135 HRS | 0 | 99.93\% | 209 TO 210 HRS | 0 | 100.00\% | 284 TO 285 HRS | 0 | 100.00\% |
| 60 TO 61 HRS | 111 | 98.24\% | 135 TO 136 HRS | 0 | 99.93\% | 210 TO 211 HRS | 0 | 100.00\% | 285 TO 286 HRS | 0 | 100.00\% |
| 61 TO 62 HRS | 435 | 98.32\% | 136 TO 137 HRS | 0 | 99.93\% | 211 TO 212 HRS | 0 | 100.00\% | 286 TO 287 HRS | 0 | 100.00\% |
| 62 TO 63 HRS | 6 | 98.32\% | 137 TO 138 HRS | 0 | 99.93\% | 212 TO 213 HRS | 0 | 100.00\% | 287 TO 288 HRS | 0 | 100.00\% |
| 63 TO 64 HRS | 20 | 98.32\% | 138 TO 139 HRS | 1 | 99.93\% | 213 TO 214 HRS | 0 | 100.00\% | 288 TO 289 HRS | 0 | 100.00\% |
| 64 TO 65 HRS | 64 | 98.33\% | 139 TO 140 HRS | 31 | 99.93\% | 214 TO 215 HRS | 0 | 100.00\% | 289 TO 290 HRS | 0 | 100.00\% |
| 65 TO 66 HRS | 244 | 98.37\% | 140 TO 141 HRS | 0 | 99.93\% | 215 TO 216 HRS | 0 | 100.00\% | 290 TO 291 HRS | 0 | 100.00\% |
| 66 TO 67 HRS | 151 | 98.40\% | 141 TO 142 HRS | 0 | 99.93\% | 216 TO 217 HRS | 0 | 100.00\% | 291 TO 292 HRS | 0 | 100.00\% |
| 67 TO 68 HRS | 18 | 98.40\% | 142 TO 143 HRS | 0 | 99.93\% | 217 TO 218 HRS | 0 | 100.00\% | 292 TO 293 HRS | 0 | 100.00\% |
| 68 TO 69 HRS | 9 | 98.40\% | 143 TO 144 HRS | 0 | 99.93\% | 218 TO 219 HRS | 0 | 100.00\% | 293 TO 294 HRS | 0 | 100.00\% |
| 69 TO 70 HRS | 0 | 98.40\% | 144 TO 145 HRS | 0 | 99.93\% | 219 TO 220 HRS | 0 | 100.00\% | 294 TO 295 HRS | 0 | 100.00\% |
| 70 TO 71 HRS | 7 | 98.40\% | 145 TO 146 HRS | 28 | 99.94\% | 220 TO 221 HRS | 0 | 100.00\% | 295 TO 296 HRS | 0 | 100.00\% |
| 71 TO 72 HRS | 58 | 98.41\% | 146 TO 147 HRS | 8 | 99.94\% | 221 TO 222 HRS | 0 | 100.00\% | 296 TO 297 HRS | 0 | 100.00\% |
| 72 TO 73 HRS | 35 | 98.42\% | 147 TO 148 HRS | 1 | 99.94\% | 222 TO 223 HRS | 0 | 100.00\% | 297 TO 298 HRS | 0 | 100.00\% |
| 73 TO 74 HRS | 24 | 98.42\% | 148 TO 149 HRS | 68 | 99.95\% | 223 TO 224 HRS | 0 | 100.00\% | 298 TO 299 HRS | 0 | 100.00\% |
| 74 TO 75 HRS | 9 | 98.43\% | 149 TO 150 HRS | 113 | 99.97\% | 224 TO 225 HRS | 0 | 100.00\% | 299 TO 300 HRS | 0 | 100.00\% |
| 75 TO 76 HRS | 111 | 98.44\% | 150 TO 151 HRS | 8 | 99.97\% | 225 TO 226 HRS | 0 | 100.00\% | > 300 HRS | 0 | 100.00\% |
| 76 TO 77 HRS | 15 | 98.45\% | 151 TO 152 HRS | 19 | 99.98\% | 226 TO 227 HRS | 0 | 100.00\% | Total | 597,646 |  |
| 77 TO 78 HRS | 20 | 98.45\% | 152 TO 153 HRS | 0 | 99.98\% | 227 TO 228 HRS | 0 | 100.00\% |  |  |  |
| 78 TO 79 HRS | 2,434 | 98.86\% | 153 TO 154 HRS | 0 | 99.98\% | 228 TO 229 HRS | 0 | 100.00\% |  |  |  |
| 79 TO 80 HRS | 427 | 98.93\% | 154 TO 155 HRS | 134 | 100.00\% | 229 TO 230 HRS | 0 | 100.00\% |  |  |  |
| 80 TO 81 HRS | 273 | 98.97\% | 155 TO 156 HRS | 12 | 100.00\% | 230 TO 231 HRS | 0 | 100.00\% |  |  |  |
| 81 TO 82 HRS | 441 | 99.05\% | 156 TO 157 HRS | 0 | 100.00\% | 231 TO 232 HRS | 0 | 100.00\% |  |  |  |
| 82 TO 83 HRS | 1,348 | 99.27\% | 157 TO 158 HRS | 0 | 100.00\% | 232 TO 233 HRS | 0 | 100.00\% |  |  |  |
| 83 TO 84 HRS | 95 | 99.29\% | 158 TO 159 HRS | 0 | 100.00\% | 233 TO 234 HRS | 0 | 100.00\% |  |  |  |
| 84 TO 85 HRS | 0 | 99.29\% | 159 TO 160 HRS | 0 | 100.00\% | 234 TO 235 HRS | 0 | 100.00\% |  |  |  |
| 85 TO 86 HRS | 0 | 99.29\% | 160 TO 161 HRS | 0 | 100.00\% | 235 TO 236 HRS | 0 | 100.00\% |  |  |  |
| 86 TO 87 HRS | 0 | 99.29\% | 161 TO 162 HRS | 0 | 100.00\% | 236 TO 237 HRS | 0 | 100.00\% |  |  |  |
| 87 TO 88 HRS | 0 | 99.29\% | 162 TO 163 HRS | 0 | 100.00\% | 237 TO 238 HRS | 0 | 100.00\% |  |  |  |
| 88 TO 89 HRS | 473 | 99.37\% | 163 TO 164 HRS | 0 | 100.00\% | 238 TO 239 HRS | 0 | 100.00\% |  |  |  |
| 89 TO 90 HRS | 385 | 99.43\% | 164 TO 165 HRS | 0 | 100.00\% | 239 TO 240 HRS | 0 | 100.00\% |  |  |  |
| 90 TO 91 HRS | 17 | 99.44\% | 165 TO 166 HRS | 0 | 100.00\% | 240 TO 241 HRS | 0 | 100.00\% |  |  |  |
| 91 TO 92 HRS | 122 | 99.46\% | 166 TO 167 HRS | 0 | 100.00\% | 241 TO 242 HRS | 0 | 100.00\% |  |  |  |
| 92 TO 93 HRS | 286 | 99.50\% | 167 TO 168 HRS | 0 | 100.00\% | 242 TO 243 HRS | 0 | 100.00\% |  |  |  |

## SECTION 8

## Attachment 5

## SECTION C

Customers Experiencing $\mathbf{> 1 2}$ Sustained Outages

## Customers Experiencing > 12 Sustained Outages During 2012

Table 5 lists all circuits where one or more customers on a circuit experienced more than 12 sustained outages in 2013. Please note, this list does not mean that all the customers on the circuit experienced more than 12 outages.

PG\&E is addressing the necessary portions of these circuits as part of the overall service reliability improvement plans.
Table 5 - Customers Experiencing > 12 Sustained Outages During 2012

| Division | Feeder Name | Customers <br> Experiencing > <br> 12 Outages |
| :--- | :--- | :---: |
| CENTRAL COAST | ROB ROY 2105 | 1 |
| EAST BAY | NORTH TOWER 2201 | 8 |
| HUMBOLDT | EEL RIVER 1101 | 87 |
| HUMBOLDT | GARBERVILLE 1102 | 637 |
| HUMBOLDT | RIO DELL 1102 | 16 |
| NORTH BAY | MONTICELLO 1101 | 10 |
| NORTH BAY | SILVERADO 2102 | 72 |
| NORTH VALLEY | JACINTO 1101 | 3 |
| PENINSULA | WOODSIDE 1101 | 70 |
| SACRAMENTO | DIXON 1103 | 13 |
| SAN JOSE | MORGAN HILL 2106 | 4 |
| SIERRA | ALLEGHANY 1101 | 98 |
| SIERRA | EL DORADO P H 2101 | 24 |
| SIERRA | OLIVEHURST 1105 | 7 |
| SIERRA | TAMARACK 1101 | 23 |

## Customers Experiencing > 12 Sustained Outages During 2011

Table 9 lists all circuits where one or more customers on a circuit experienced more than 12 sustained outages in 2011. Please note, this list does not mean that all the customers on the circuit experienced more than 12 outages.

PG\&E is addressing the necessary portions of these circuits as part of the overall service reliability improvement plans.

Table 9 - Customers Experiencing > 12 Sustained Outages During 2011

| Division | Feeder Name | Customers <br> Experiencing <br> 12 Outages |
| :--- | :--- | :---: |
| CENTRAL COAST | CAMP EVERS 2105 | 35 |
| CENTRAL COAST | ROB ROY 2105 | 21 |
| DE ANZA | LOS GATOS 1107 | 192 |
| HUMBOLDT | GARBERVILLE 1102 | 579 |
| KERN | POSO MOUNTAIN 2101 | 7 |
| LOS PADRES | SISQUOC 1102 | 3 |
| NORTH BAY | ALTO 1124 | 15 |
| NORTH BAY | CALISTOGA 1101 | 9 |
| NORTH BAY | MONTICELLO 1101 | 10 |
| NORTH BAY | SILVERADO 2104 | 121 |
| NORTH VALLEY | CHALLENGE 1101 | 451 |
| NORTH VALLEY | KANAKA 1101 | 17 |
| NORTH VALLEY | ORO FINO 1102 | 56 |
| NORTH VALLEY | VOLTA 1101 | 464 |
| NORTH VALLEY | WYANDOTTE 1109 | 4 |
| PENINSULA | WOODSIDE 1101 | 1 |
| SACRAMENTO | GRAND ISLAND 2225 | 9 |
| SACRAMENTO | JAMESON 1104 | 32 |
| SACRAMENTO | KNIGHTS LANDING 1101 | 2 |
| SIERRA | ALLEGHANY 1101 | 55 |
| SIERRA | APPLE HILL 2102 | 272 |
| SIERRA | BONNIE NOOK 1101 | 12 |
| SIERRA | BONNIE NOOK 1102 | 60 |
| SIERRA | BRUNSWICK 1102 | 1 |
| SIERRA | EL DORADO P H 2101 | 908 |
| SIERRA | PEASE 1104 | 23 |
| SIERRA | PLACERVILLE 2106 | 684 |
| SONOMA | COTATI 1103 | 22 |
| STOCKTON | LODI 1102 | 4 |
| STOCKTON | SALT SPRINGS 2102 | 1,154 |
| YOSEMITE | OAKHURST 1103 | 23 |
| YOSEMITE | RACETRACK SUB 1704 | 136 |
| YOSEMITE | WESTLEY 1103 | 145 |
|  |  |  |
|  |  |  |

## Customers Experiencing > 12 Sustained Outages During 2010

Table 8 lists all circuits where one or more customers on a circuit experienced more than 12 sustained outages in 2011. Please note, this list does not mean that all the customers on the circuit experienced more than 12 outages.

PG\&E is addressing the necessary portions of these circuits as part of the overall service reliability improvement plans.

Table 8 - Customers Experiencing > 12 Sustained Outages During 2010

|  | Feeder Name | Customers <br> Experiencing <br> > 12 Outages |
| :--- | :--- | :---: |
| Division | FENTRAL COAST |  |
| CENTRAL BASIN 1101 COAST | BIG BASIN 1102 | 61 |
| CENTRAL COAST | CAMP EVERS 2105 | 30 |
| CENTRAL COAST | POINT MORETI 1101 | 23 |
| CENTRAL COAST | ROB ROY 2104 | 56 |
| CENTRAL COAST | SAN ARDO 1102 | 14 |
| CENTRAL COAST | WATSONVILLE 2101 | 1 |
| DE ANZA | CAMP EVERS 2106 | 79 |
| DE ANZA | LOS GATOS 1106 | 1 |
| DE ANZA | LOS GATOS 1107 | 156 |
| DIABLO | CONTRA COSTA 2109 | 16 |
| DIABLO | KIRKER SUB 2104 | 3 |
| FRESNO | DUNLAP 1102 | 57 |
| FRESNO | DUNLAP 1103 | 318 |
| NORTH BAY | CALISTOGA 1101 | 14 |
| NORTH BAY | OLEMA 1101 | 13 |
| NORTH BAY | SILVERADO 2104 | 2 |
| NORTH COAST | FORT BRAGG STA A 1101 | 3 |
| NORTH COAST | GARBERVILLE 1101 | 71 |
| NORTH COAST | GARBERVILLE 1102 | 234 |
| NORTH COAST | LAKEVILLE 1101 | 10 |
| NORTH VALLEY | CHALLENGE 1101 | 19 |
| NORTH VALLEY | ORO FINO 1102 | 99 |
| PENINSULA | MENLO 1103 | 22 |
| SACRAMENTO | DIXON 1103 | 13 |
| SACRAMENTO | GRAND ISLAND 2225 | 3 |
| SACRAMENTO | MADISON 2101 | 5 |
| SIERRA | ALLEGHANY 1101 | 197 |
| SIERRA | APPLE HILL 2102 | 16 |
| SIERRA | EL DORADO P H 2101 | 1,162 |
| SIERRA | PLACERVILLE 2106 | 255 |
| STOCKTON | LOCKEFORD SUB 2102 | 7 |
| STOCKTON | MANTECA 1706 | 3 |
| STOCKTON | SALT SPRINGS 2102 | 170 |
| STOCKTON | STANISLAUS 1702 | 532 |
| YOSEMITE | CURTIS 1703 | 38 |
| YOSEMITE | MARIPOSA 2101 | 9 |
| YOSEMITE | MIWUK SUB 1701 | 31 |
|  |  |  |

## Customers Experiencing > 12 Sustained Outages During 2009

Table 8 lists all circuits where one or more customers on a circuit experienced more than 12 sustained outages in 2009. Please note, this list does not mean that all the customers on the circuit experienced more than 12 outages.

PG\&E is addressing the necessary portions of these circuits as part of the overall service reliability improvement plans.

Table 8 - Customers Experiencing > 12 Sustained Outages During 2009

| Division | Customers <br> Experiencing > |  |
| :--- | :--- | ---: |
| CENTRAL COAST | BEN LOMOND 1101 | Outages |

## Customers Experiencing > 12 Sustained Outages During 2008

Table 5 lists all circuits where one or more customers on a circuit experienced more than 12 sustained outages in 2008. Please note, this list does not mean that all the customers on the circuit experienced more than 12 outages.

PG\&E is addressing the necessary portions of these circuits as part of the overall service reliability improvement plans.
Table 5 - Customers Experiencing > 12 Sustained Outages During 2008

| Division | Feeder Name | $\begin{gathered} \text { Customers } \\ \text { Experiencing > } \\ 12 \text { Outages } \\ \hline \end{gathered}$ |
| :---: | :---: | :---: |
| CENTRAL COAST | BEN LOMOND 0401 | 6 |
| CENTRAL COAST | BEN LOMOND 1101 | 699 |
| CENTRAL COAST | BIG BASIN 1101 | 223 |
| CENTRAL COAST | BIG BASIN 1102 | 16 |
| CENTRAL COAST | CAMP EVERS 2105 | 92 |
| CENTRAL COAST | LOMPICO 0401 | 20 |
| CENTRAL COAST | OTTER 1102 | 194 |
| CENTRAL COAST | POINT MORETTI 1101 | 14 |
| CENTRAL COAST | ROB ROY 2104 | 354 |
| CENTRAL COAST | SOLEDAD 2101 | 99 |
| DE ANZA | CAMP EVERS 2106 | 43 |
| DE ANZA | LOS GATOS 1106 | 166 |
| DE ANZA | LOS GATOS 1107 | 45 |
| LOS PADRES | SANTA MARIA 1105 | 306 |
| LOS PADRES | SISQUOC 1102 | 2 |
| NORTH BAY | NAPA 1107 | 29 |
| NORTH BAY | SAUSALITO 1102 | 13 |
| NORTH COAST | ARCATA 1121 | 7 |
| NORTH COAST | BRIDGEVILLE 1101 | 6 |
| NORTH COAST | EEL RIVER 1101 | 10 |
| NORTH COAST | GARBERVILLE 1102 | 425 |
| NORTH COAST | HOOPA 1101 | 223 |
| NORTH COAST | OLEMA 1101 | 14 |
| NORTH COAST | POINT ARENA 1101 | 3 |
| NORTH COAST | RIO DELL 1102 | 11 |
| NORTH COAST | WILLOW CREEK 1101 | 35 |
| NORTH VALLEY | LOGAN CREEK 2102 | 1 |
| NORTH VALLEY | NORD 1104 | 1 |
| PENINSULA | MENLO 1103 | 15 |
| SACRAMENTO | KNIGHTS LANDING 1101 | 3 |
| SACRAMENTO | MERIDIAN 1101 | 13 |
| SACRAMENTO | RICE 1101 | 5 |
| SACRAMENTO | RICE 1103 | 4 |
| SIERRA | BRUNSWICK 1105 | 12 |
| SIERRA | EAST NICOLAUS 1101 | 6 |
| SIERRA | EL DORADO P H 2101 | 127 |
| SIERRA | MOUNTAIN QUARRIES 2101 | 65 |
| SIERRA | PLACERVILLE 2106 | 395 |
| SIERRA | TUDOR 1101 | 9 |
| STOCKTON | CORRAL 1103 | 19 |
| YOSEMITE | CURTIS 1703 | 45 |
| YOSEMITE | MERCED 1114 | 26 |
| YOSEMITE | ORO LOMA 1106 | 2 |

## Customers Experiencing > 12 Sustained Outages During 2007

Table 5 lists all circuits where one or more customers on a circuit experienced more than 12 sustained outages in 2007. Please note, this list does not mean that all the customers on the circuit experienced more than 12 outages.

PG\&E is addressing the necessary portions of these circuits as part of the overall service reliability improvement plans.

Table 5 - Customers Experiencing > 12 Sustained Outages During 2007

| Division | Fustomers |  |
| :--- | :--- | ---: |
| CENTRAL COAST | DOLAN ROAD 1104 | Experiencing > 12 Outages |
| CENTRAL COAST | ROB ROY 2104 | 33 |
| DIABLO | BRENTWOOD SUB 2105 | 53 |
| LOS PADRES | SISQUOC 1102 | 17 |
| LOS PADRES | ZACA 1101 | 1 |
| NORTH BAY | NOVATO 1104 | 1 |
| NORTH BAY | SILVERADO 2102 | 8 |
| NORTH COAST | BRIDGEVILLE 1102 | 16 |
| NORTH COAST | MONTE RIO 1111 | 9 |
| NORTH VALLEY | CHALLENGE 1101 | 8 |
| NORTH VALLEY | GERBER 1102 | 350 |
| NORTH VALLEY | JACINTO 1101 | 22 |
| SACRAMENTO | CORDELIA 1104 | 2 |
| SACRAMENTO | JAMESON 1104 | 57 |
| SACRAMENTO | PEABODY 2107 | 9 |
| SIERRA | EL DORADO P H 2101 | 72 |
| YOSEMITE | COTTLE 1702 | 10 |
| YOSEMITE | FIGARDEN SUB. 2110 | 63 |

## Customers Experiencing > 12 Sustained Outages During 2006

Table 14 lists all circuits where one or more customers on a circuit experienced more than 12 sustained outages in 2006. Please note, this list does not mean that all the customers on the circuit experienced more than 12 outages.

PG\&E is addressing the necessary portions of these circuits as part of the overall service reliability improvement plans

Table 14 - Customers Experiencing > 12 Sustained Outages During 2006

| Division | Feeder Name | Customers <br> Experiencing > 12 Outages |
| :---: | :---: | :---: |
| CENTRAL COAST | BEN LOMOND 0401 | 220 |
| CENTRAL COAST | BEN LOMOND 1101 | 620 |
| CENTRAL COAST | BIG BASIN 1102 | 1 |
| CENTRAL COAST | BIG TREES 0402 | 73 |
| CENTRAL COAST | CAMP EVERS 2105 | 246 |
| CENTRAL COAST | CASTROVILLE 2103 | 11 |
| CENTRAL COAST | GREEN VALLEY 2103 | 4 |
| CENTRAL COAST | HOLLISTER 2104 | 30 |
| CENTRAL COAST | LOMPICO 0401 | 175 |
| CENTRAL COAST | ROB ROY 2104 | 160 |
| DE ANZA | CAMP EVERS 2106 | 818 |
| DE ANZA | LOS GATOS 1107 | 58 |
| DIABLO | KIRKER SUB 2104 | 395 |
| FRESNO | WOODWARD 2108 | 1 |
| LOS PADRES | CAYUCOS 1102 | 3 |
| LOS PADRES | OCEANO 1101 | 20 |
| LOS PADRES | OILFIELDS 1103 | 57 |
| LOS PADRES | SANTA MARIA 1108 | 77 |
| LOS PADRES | SISQUOC 1102 | 4 |
| NORTH BAY | OLEMA 1101 | 13 |
| NORTH COAST | ARCATA 1121 | 7 |
| NORTH COAST | COTATI 1103 | 14 |
| NORTH COAST | GARBERVILLE 1101 | 19 |
| NORTH COAST | GARBERVILLE 1102 | 19 |
| NORTH COAST | HOOPA 1101 | 74 |
| NORTH COAST | JANES CREEK 1103 | 35 |
| NORTH COAST | MONTE RIO 1111 | 86 |
| NORTH COAST | RIO DELL 1102 | 22 |
| NORTH COAST | SONOMA 1107 | 11 |
| NORTH VALLEY | ESQUON 1103 | 20 |
| PENINSULA | MENLO 1103 | 2 |
| SACRAMENTO | DEEPWATER 1107 | 26 |
| SACRAMENTO | GRAND ISLAND 2225 | 86 |
| SACRAMENTO | PEABODY 2107 | 4 |
| SACRAMENTO | PUTAH CREEK 1102 | 99 |
| SIERRA | APPLE HILL 2102 | 195 |
| SIERRA | EL DORADO P H 2101 | 970 |
| SIERRA | PLACERVILLE 2106 | 309 |
| STOCKTON | MANTECA 1704 | 64 |
| STOCKTON | MANTECA 1705 | 140 |

## Customers Experiencing > 12 Sustained Outages During 2005

Table 8 lists all circuits where one or more customers on a circuit experienced more than 12 sustained outages in 2005. Please note, this list does not mean all the customers on the circuit experienced more than 12 outages.

PG\&E is addressing the necessary portions of these circuits as part of the overall service reliability improvement plans

Table 8 - Customers Experiencing > 12 Sustained Outages During 2005

| Division | Feeder Name | Customers Experiencing > 12 Outages |
| :---: | :---: | :---: |
| CENTRAL COAST | BIG BASIN 1102 | 13 |
| CENTRAL COAST | BIG TREES 0402 | 32 |
| CENTRAL COAST | CAMP EVERS 2104 | 93 |
| CENTRAL COAST | GREEN VALLEY 2101 | 1 |
| CENTRAL COAST | ROB ROY 2104 | 71 |
| CENTRAL COAST | ROB ROY 2105 | 13 |
| CENTRAL COAST | VIEJO 2202 | 30 |
| DIABLO | BRENTWOOD SUB 2105 | 1 |
| DIABLO | CONTRA COSTA 2108 | 21 |
| FRESNO | DUNLAP 1103 | 270 |
| FRESNO | KINGSBURG 1116 | 967 |
| KERN | TEJON 1102 | 249 |
| LOS PADRES | OILFIELDS 1103 | 28 |
| LOS PADRES | SISQUOC 1103 | 151 |
| LOS PADRES | ZACA 1101 | 1 |
| NORTH BAY | CALISTOGA 1101 | 49 |
| NORTH BAY | PUEBLO 2103 | 32 |
| NORTH BAY | SILVERADO 2104 | 146 |
| NORTH COAST | EEL RIVER 1101 | 122 |
| NORTH COAST | FRUITLAND 1142 | 13 |
| NORTH COAST | GARBERVILLE 1101 | 12 |
| NORTH COAST | GARBERVILLE 1102 | 10 |
| NORTH COAST | HARTLEY 1101 | 3 |
| NORTH COAST | MONTE RIO 1111 | 8 |
| NORTH COAST | OLEMA 1101 | 10 |
| NORTH COAST | RIO DELL 1102 | 2 |
| NORTH COAST | WILLITS 1103 | 6 |
| NORTH COAST | WILLOW CREEK 1101 | 3 |
| SACRAMENTO | GRAND ISLAND 2224 | 244 |
| SACRAMENTO | MADISON 1105 | 14 |
| SACRAMENTO | PUTAH CREEK 1102 | 44 |
| SIERRA | EL DORADO P H 2101 | 734 |
| STOCKTON | COLONY 1102 | 25 |
| STOCKTON | FROGTOWN 1702 | 19 |
| STOCKTON | MIDDLE RIVER 1101 | 4 |
| STOCKTON | OLETA 1101 | 40 |
| YOSEMITE | OAKHURST 1103 | 4 |
| YOSEMITE | PEORIA FLAT 1701 | 117 |
| YOSEMITE | SPRING GAP 1701 | 37 |
| YOSEMITE | STOREY 1109 | 25 |
| YOSEMITE | VALLEY HOME 1701 | 30 |

## Customers Experiencing > 12 Sustained Outages During 2004

Table 5 lists all circuits where one or more customers on a circuit experienced more than 12 sustained outages in 2004. Please note, this list does not mean all the customers on the circuit experienced more than 12 outages.

PG\&E is addressing the necessary portions of these circuits as part of the overall service reliability improvement plans.

Table 5 - Customers Experiencing > 12 Sustained Outages During 2004

| Division | Customers <br> Experiencing > <br> 12 Outages |  |
| :--- | :--- | ---: |
|  | Feeder Name | 11 |
| CENTRAL COAST | BEN LOMOND 0401 | 284 |
| CENTRAL COAST | BEN LOMOND 1101 | 343 |
| CENTRAL COAST | CAMP EVERS 2104 | 105 |
| CENTRAL COAST | CAMP EVERS 2105 | 30 |
| CENTRAL COAST | FOREST 0422 | 39 |
| CENTRAL COAST | GREEN VALLEY 2101 | 108 |
| CENTRAL COAST | LOS OSITOS 2101 | 21 |
| CENTRAL COAST | POINT MORETTI 1101 | 66 |
| CENTRAL COAST | ROB ROY 2104 | 12 |
| CENTRAL COAST | SOLEDAD 2101 | 408 |
| DE ANZA | CAMP EVERS 2106 | 16 |
| DIABLO | BRENTWOOD SUB 2113 | 151 |
| LOS PADRES | SISQUOC 1103 | 23 |
| NORTH BAY | MONTICELLO 1101 | 10 |
| NORTH BAY | NAPA 1102 | 29 |
| NORTH COAST | GARBERVILLE 1101 | 13 |
| NORTH COAST | GARBERVILLE 1102 | 77 |
| NORTH COAST | MOLINO 1101 | 18 |
| NORTH COAST | OLEMA 1101 | 13 |
| NORTH COAST | TRINIDAD 1102 | 54 |
| NORTH VALLEY | LOGAN CREEK 2101 | 279 |
| NORTH VALLEY | ORO FINO 1102 | 152 |
| SIERRA | ALLEGHANY 1101 | 17 |
| STOCKTON | AVENA 1702 | 26 |
| STOCKTON | WEST POINT 1101 | 144 |
| YOSEMITE | RIVERBANK 1713 |  |


[^0]:    ${ }^{1}$ On November 18, 2011 the EON recording system was removed from service. Momentary outage data is now being collected from SCADA devices and through the use of Smart Meters. Data collection from the Smart Meters is more effective than the previous EON system since Smart Meters don't rely on customer volunteers having EON devices securely connected inside their buildings. PG\&E anticipates that the number of future momentary outages recorded will increase slightly as a result of this more effective approach.

[^1]:    * Note: Values exclude single distribution line transformer and planned outages.

