Electrical Engineering & Line Department Report

Tuesday, January 12, 2021
Monthly Reporting

December Highlights
13th – Pole fire in Turlock affected 768 customers
16th – Equipment failure in Delhi affected 134 customers & trees affected 516
19th – Car vs pole in Turlock affected 1039 customers
27th – Car vs pole in Turlock affected 119 customers
31st – Trees affected 727 customers in Hilmar

Total Outages: 32
Total Outage Hours: 168
Total Customers affected: 2767
Average Outage Hours: 5
Average Customers Affected: 81
Unplanned Outages - December

- **CUSTOMERS AFFECTED**
- **OUTAGE TIME - HOURS**
- **AVERAGE OUTAGE TIME**
- **AVERAGE CUSTOMER COUNT**

**Locations:**
- CERES - 6
- CROWS LANDING - 2
- DELHI - 1
- DIABLO GRANDE - 3
- HILMAR - 6
- HUGHSON - 2
- MODESTO - 4
- PATTERSON - 2
- TURLOCK - 9
Initial Response Time

HIGHEST RESPONSE TIME - 2 HOURS
AVERAGE RESPONSE TIME - 36 MINUTES
December W1 – Unplanned Outages

<table>
<thead>
<tr>
<th>Reason</th>
<th>Customers Affected</th>
<th>Total Outage Time - Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Equipment Failure</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>Replace Transformer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ceres</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Equipment Failure</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>Replace Pole</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Turlock</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Third Party Damage</td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>Tractor vs Pole</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Denair</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **1-Dec**: Equipment Failure - Replace Transformer, Ceres
- **2-Dec**: Third Party Damage - Tractor vs Pole, Denair
December W2 – Unplanned Outages

TOTAL OUTAGE TIME - HOURS

BUSINESS HOURS ■ AFTER HOURS ▼ CUSTOMERS AFFECTED

FAULT ON PGE SIDE  ❁ OTHER ❁ DIABLO GRANDE
CAR VS POLE ❁ OTHER ❁ THIRD PARTY DAMAGE ❁ DENAIR
POLE FIRE ❁ OTHER ❁ MODesto ❁ 8-Dec
CAR VS POLE ❁ THIRD PARTY DAMAGE ❁ PATTerson ❁ 9-Dec
CAR VS POLE ❁ THIRD PARTY DAMAGE ❁ CROWS LANDING ❁ 10-Dec
POLE FIRE ❁ WEATHER ❁ HILMAR ❁ 11-Dec
POLE FIRE ❁ WEATHER ❁ TURlock ❁ 12-Dec

CUSTOMERS AFFECTED

0 5 10 15 20 25 30 35 40

0 2 4 6 8 10 12 14 16 18

7-Dec 8-Dec 9-Dec 10-Dec 11-Dec 12-Dec
December W4 – Unplanned Outages

- **BUSINESS HOURS**
- **AFTER HOURS**

**CUSTOMERS AFFECTED**

- **TOTAL OUTAGE TIME - HOURS**

- **REPLACE TRANSFORMER**
  - EQUIPMENT FAILURE
  - CERES

- **REPLACE TRANSFORMER**
  - EQUIPMENT FAILURE
  - MODESTO
  - 20-Dec

- **REPLACE TRANSFORMER**
  - EQUIPMENT FAILURE
  - DENAIR

- **VEHICLE VS POLE**
  - THIRD PARTY DAMAGE
  - HUGHSON
  - 21-Dec

- **FAULT ON PGE SIDE**
  - OTHER
  - DIABLO GRANDE
  - 23-Dec

**CUSTOMERS AFFECTED**

- **BUSINESS HOURS**
- **AFTER HOURS**
- **CUSTOMERS AFFECTED**
December W4 – Unplanned Outages

- **BUSINESS HOURS**
- **AFTER HOURS**

CUSTOMERS AFFECTED: 800
TOTAL OUTAGE TIME - HOURS: 8

- **CAR VS POLE**
  - TURLOCK: 27-Dec
  - CERES: 28-Dec
- **THIRD PARTY DAMAGE**
  - CROWS LANDING: 29-Dec
- **REPLACE TRANSFORMER**
  - TURLOCK: 31-Dec
- **EQUIPMENT FAILURE**
  - TURLOCK: 31-Dec
- **TREES**
  - OTHER: 0
- **OTHER**
  - HUGHSON: 31-Dec

Graph showing outages by category and location.
Line Department Construction Lead Time

December Crews
- 3 – 5 Person Crew
- 3 – 4 Person Crew