



Circuit Reliability Review

Palmdale

January 2017

Providing Safe, Reliable, and Affordable Power

Southern California Edison is modernizing the power grid to meet the changing needs and expectations of our customers and to help California achieve its clean energy goals.

We are investing more than \$12 billion into our power grid between 2015 – 2017 with the goal of increasing power reliability through significant upgrades. These investments include:

- Updating thousands of transmission and distribution poles
- Replacing hundreds of miles of underground cables
- Replacing hundreds of underground structures such as vaults and manholes
- Upgrading critical distribution equipment; capacitor banks, switches, and circuit breakers
- Building new distribution circuits to serve electrical demands in our communities
- Inspecting and replacing overhead conductor and equipment to improve public safety

Our investments in local communities will help ensure that customers receive safe, reliable, and affordable electricity now and in the future.

Understanding Your Reliability Report

As your electric utility, we want you to always have power when you need it. To get there, we constantly track and monitor electric outages across our service territory, and we measure our “system reliability” from this data.

The two metrics we rely on are common in the electric utility industry: the System Average Interruption Duration Index (SAIDI) and the System Average Interruption Frequency Index (SAIFI). Both are described in more detail on the next page.

Replacing and upgrading our infrastructure will help SCE maintain or improve SAIDI and SAIFI measurements.

This report provides historical reliability data for the circuits that serve your jurisdiction and our proposed infrastructure upgrades for the current year.

To view other reliability reports, visit [sce.com>Outage Center>Maintaining Reliable Service](https://sce.com/Outage-Center/Maintaining-Reliable-Service)

Reliability Metrics

MOMENTARY OUTAGES:

OUTAGES LASTING 5 MINUTES OR LESS

MAIFI:

- The number of times the average customer is interrupted by Momentary outages each year.

SUSTAINED OUTAGES:

OUTAGES LASTING LONGER THAN 5 MINUTES

SAIFI:

- The number of times the average customer is interrupted by Sustained outages each year.

SAIDI:

- The cumulative amount of time the average customer is interrupted by Sustained outages each year.

Cities in the Antelope Valley District

Acton

Desert View Highlands

Edwards Afb

Frazier Park

Lake Los Angeles

Lake Of The Woods

Lancaster

Lebec

Littlerock

Palmdale

Pine Mountain Club

Quartz Hill

Rosamond

Reliability by SCE District (No Exclusions)

| District Name | 2012 | | | | 2013 | | | | 2014 | | | | 2015 | | | | 2016 | | | |
|-----------------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|
| | District SAIDI | SAIDI RANKING | District SAIFI | SAIFI Ranking | District SAIDI | SAIDI RANKING | District SAIFI | SAIFI Ranking | District SAIDI | SAIDI RANKING | District SAIFI | SAIFI Ranking | District SAIDI | SAIDI RANKING | District SAIFI | SAIFI Ranking | District SAIDI | SAIDI RANKING | District SAIFI | SAIFI Ranking |
| ANTELOPE VALLEY | 78.60 | 28 | 0.56 | 31 | 94.42 | 22 | 0.62 | 31 | 51.05 | 35 | 0.59 | 34 | 104.34 | 22 | 0.68 | 30 | 107.67 | 24 | 0.87 | 29 |
| ARROWHEAD | 129.58 | 13 | 1.31 | 7 | 180.59 | 7 | 1.39 | 8 | 193.25 | 5 | 1.59 | 5 | 362.61 | 4 | 3.97 | 1 | 659.46 | 3 | 2.85 | 5 |
| BARSTOW | 184.80 | 7 | 1.15 | 12 | 204.33 | 6 | 1.40 | 7 | 201.53 | 4 | 1.34 | 10 | 187.11 | 8 | 1.17 | 12 | 134.83 | 18 | 1.35 | 9 |
| BIG CREEK | 1184.25 | 1 | 4.52 | 1 | 176.51 | 8 | 3.08 | 1 | 920.25 | 1 | 1.34 | 11 | 422.77 | 2 | 3.42 | 2 | 1062.01 | 2 | 4.99 | 1 |
| BISHOP | 463.09 | 2 | 1.25 | 9 | 104.44 | 17 | 0.51 | 35 | 118.79 | 17 | 0.59 | 35 | 298.11 | 6 | 2.22 | 4 | 168.59 | 8 | 1.22 | 14 |
| BLYTHE | 225.88 | 6 | 1.53 | 3 | 483.13 | 1 | 1.38 | 9 | 707.54 | 2 | 2.42 | 2 | 427.00 | 1 | 1.52 | 7 | 396.38 | 5 | 2.71 | 6 |
| CATALINA | 78.46 | 30 | 0.72 | 29 | 105.94 | 16 | 2.97 | 2 | 97.02 | 24 | 4.17 | 1 | 42.56 | 35 | 2.25 | 3 | 65.01 | 35 | 3.66 | 3 |
| COVINA | 108.73 | 19 | 0.92 | 19 | 100.51 | 19 | 0.86 | 20 | 91.60 | 27 | 0.87 | 22 | 100.08 | 23 | 0.81 | 25 | 112.13 | 22 | 0.97 | 24 |
| DOMINGUEZ HILLS | 117.22 | 18 | 0.82 | 24 | 89.17 | 26 | 0.80 | 21 | 82.30 | 29 | 0.71 | 28 | 130.63 | 15 | 0.97 | 17 | 146.38 | 12 | 1.11 | 17 |
| FOOTHILL | 91.69 | 25 | 0.90 | 20 | 85.80 | 27 | 0.79 | 24 | 93.35 | 25 | 0.93 | 21 | 109.64 | 20 | 0.95 | 20 | 142.81 | 14 | 1.03 | 21 |
| FULLERTON | 68.99 | 33 | 0.42 | 35 | 90.57 | 25 | 0.79 | 22 | 82.23 | 30 | 0.72 | 27 | 76.59 | 29 | 0.67 | 31 | 92.72 | 30 | 0.76 | 34 |
| HUNTINGTON BEACH | 95.78 | 23 | 0.89 | 21 | 66.51 | 32 | 0.68 | 29 | 79.61 | 31 | 0.78 | 25 | 98.32 | 25 | 0.95 | 19 | 128.02 | 20 | 1.26 | 12 |
| KERNVILLE | 226.76 | 5 | 1.31 | 6 | 232.18 | 4 | 1.96 | 3 | 178.69 | 8 | 1.99 | 3 | 286.38 | 7 | 0.96 | 18 | 2421.32 | 1 | 3.67 | 2 |
| LONG BEACH | 75.83 | 31 | 0.55 | 33 | 75.11 | 30 | 0.70 | 28 | 66.33 | 34 | 0.61 | 32 | 164.46 | 9 | 0.89 | 23 | 135.16 | 17 | 0.86 | 31 |
| MENIFEE | 99.32 | 22 | 0.84 | 23 | 107.39 | 15 | 1.26 | 10 | 156.68 | 11 | 1.32 | 12 | 111.46 | 19 | 0.98 | 16 | 156.75 | 9 | 1.31 | 10 |
| MONROVIA | 108.11 | 20 | 1.13 | 15 | 99.12 | 20 | 1.02 | 16 | 133.32 | 14 | 1.16 | 16 | 96.68 | 26 | 0.88 | 24 | 116.57 | 21 | 0.84 | 32 |
| MONTEBELLO | 131.06 | 12 | 1.13 | 14 | 118.08 | 13 | 1.17 | 12 | 158.34 | 10 | 1.16 | 15 | 150.28 | 12 | 1.18 | 11 | 133.52 | 19 | 1.17 | 15 |
| ONTARIO | 93.09 | 24 | 0.87 | 22 | 77.39 | 29 | 0.79 | 23 | 97.91 | 23 | 1.00 | 19 | 94.04 | 27 | 0.74 | 27 | 105.07 | 27 | 0.93 | 27 |
| PALM SPRINGS | 175.92 | 8 | 1.27 | 8 | 112.80 | 14 | 0.77 | 25 | 107.04 | 20 | 0.71 | 29 | 99.54 | 24 | 0.80 | 26 | 107.58 | 25 | 1.07 | 19 |
| REDLANDS | 120.13 | 16 | 1.11 | 16 | 96.48 | 21 | 1.04 | 15 | 154.25 | 12 | 1.04 | 18 | 124.52 | 17 | 1.01 | 14 | 137.11 | 16 | 0.98 | 23 |
| RIDGECREST | 229.65 | 4 | 1.44 | 4 | 161.95 | 9 | 1.12 | 13 | 176.84 | 9 | 1.57 | 6 | 148.90 | 13 | 1.01 | 15 | 254.31 | 6 | 1.05 | 20 |
| SADDLEBACK | 83.01 | 27 | 0.73 | 27 | 70.69 | 31 | 0.53 | 34 | 99.07 | 22 | 0.74 | 26 | 46.03 | 34 | 0.39 | 35 | 65.99 | 34 | 0.65 | 35 |
| SAN JOAQUIN | 135.90 | 10 | 1.04 | 18 | 244.44 | 2 | 1.45 | 6 | 138.25 | 13 | 1.17 | 14 | 127.50 | 16 | 1.05 | 13 | 108.44 | 23 | 1.09 | 18 |
| SANTA ANA | 78.60 | 29 | 0.55 | 32 | 93.35 | 24 | 0.74 | 26 | 91.68 | 26 | 0.84 | 23 | 67.46 | 32 | 0.71 | 29 | 97.27 | 29 | 1.00 | 22 |
| SANTA BARBARA | 153.81 | 9 | 1.15 | 13 | 82.00 | 28 | 0.70 | 27 | 183.78 | 7 | 1.38 | 9 | 152.37 | 11 | 1.52 | 6 | 156.66 | 10 | 1.41 | 8 |
| SANTA MONICA | 101.69 | 21 | 0.79 | 25 | 122.78 | 12 | 1.00 | 17 | 110.76 | 19 | 0.99 | 20 | 75.41 | 30 | 0.62 | 32 | 91.08 | 31 | 0.95 | 26 |
| SOUTH BAY | 122.68 | 15 | 1.17 | 10 | 142.15 | 10 | 1.49 | 5 | 125.28 | 16 | 1.39 | 8 | 164.07 | 10 | 1.31 | 8 | 183.90 | 7 | 1.88 | 7 |
| TEHACHAPI | 117.96 | 17 | 1.43 | 5 | 232.67 | 3 | 1.12 | 14 | 130.70 | 15 | 1.29 | 13 | 298.96 | 5 | 1.21 | 9 | 97.29 | 28 | 1.13 | 16 |
| THOUSAND OAKS | 127.73 | 14 | 1.05 | 17 | 93.86 | 23 | 0.91 | 18 | 104.37 | 21 | 1.10 | 17 | 106.59 | 21 | 0.92 | 21 | 143.78 | 13 | 1.31 | 11 |
| VALENCIA | 62.01 | 35 | 0.46 | 34 | 51.04 | 34 | 0.53 | 33 | 79.23 | 32 | 0.61 | 33 | 72.27 | 31 | 0.61 | 33 | 105.09 | 26 | 0.97 | 25 |
| VENTURA | 134.81 | 11 | 1.15 | 11 | 100.52 | 18 | 1.21 | 11 | 183.79 | 6 | 1.65 | 4 | 148.85 | 14 | 1.19 | 10 | 150.41 | 11 | 1.24 | 13 |
| VICTORVILLE | 67.70 | 34 | 0.66 | 30 | 61.33 | 33 | 0.63 | 30 | 68.85 | 33 | 0.63 | 31 | 87.03 | 28 | 0.91 | 22 | 79.35 | 33 | 0.92 | 28 |
| WHITTIER | 72.60 | 32 | 0.74 | 26 | 135.04 | 11 | 0.86 | 19 | 87.60 | 28 | 0.70 | 30 | 114.52 | 18 | 0.73 | 28 | 137.34 | 15 | 0.81 | 33 |
| WILDOMAR | 88.54 | 26 | 0.72 | 28 | 40.51 | 35 | 0.56 | 32 | 118.49 | 18 | 0.81 | 24 | 52.70 | 33 | 0.60 | 34 | 84.01 | 32 | 0.87 | 30 |
| YUCCA VALLEY | 319.82 | 3 | 3.41 | 2 | 216.97 | 5 | 1.50 | 4 | 304.25 | 3 | 1.49 | 7 | 389.08 | 3 | 1.80 | 5 | 463.68 | 4 | 3.39 | 4 |
| SCE SystemWide | 108.13 | | 0.89 | | 102.61 | | 0.91 | | 112.00 | | 0.96 | | 114.83 | | 0.92 | | 134.48 | | 1.10 | |

Exclusions are days which utilities are allowed to remove from their metrics because the outages on those days were caused by a severe acts of nature.

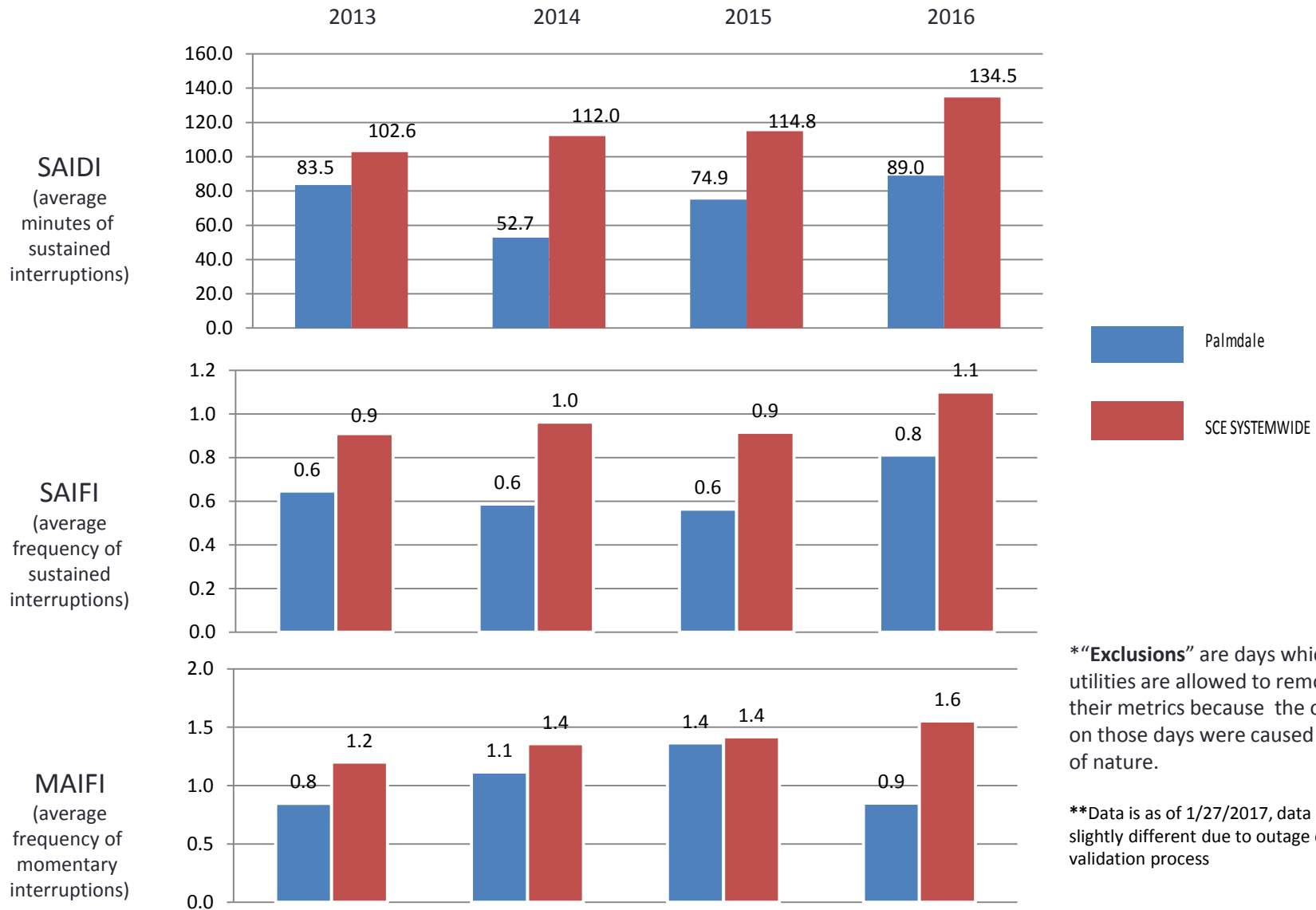
**In the columns showing "Rank," lower numbers indicate poorer performance.

Overview of Palmdale

There are 54 circuits that serve Palmdale

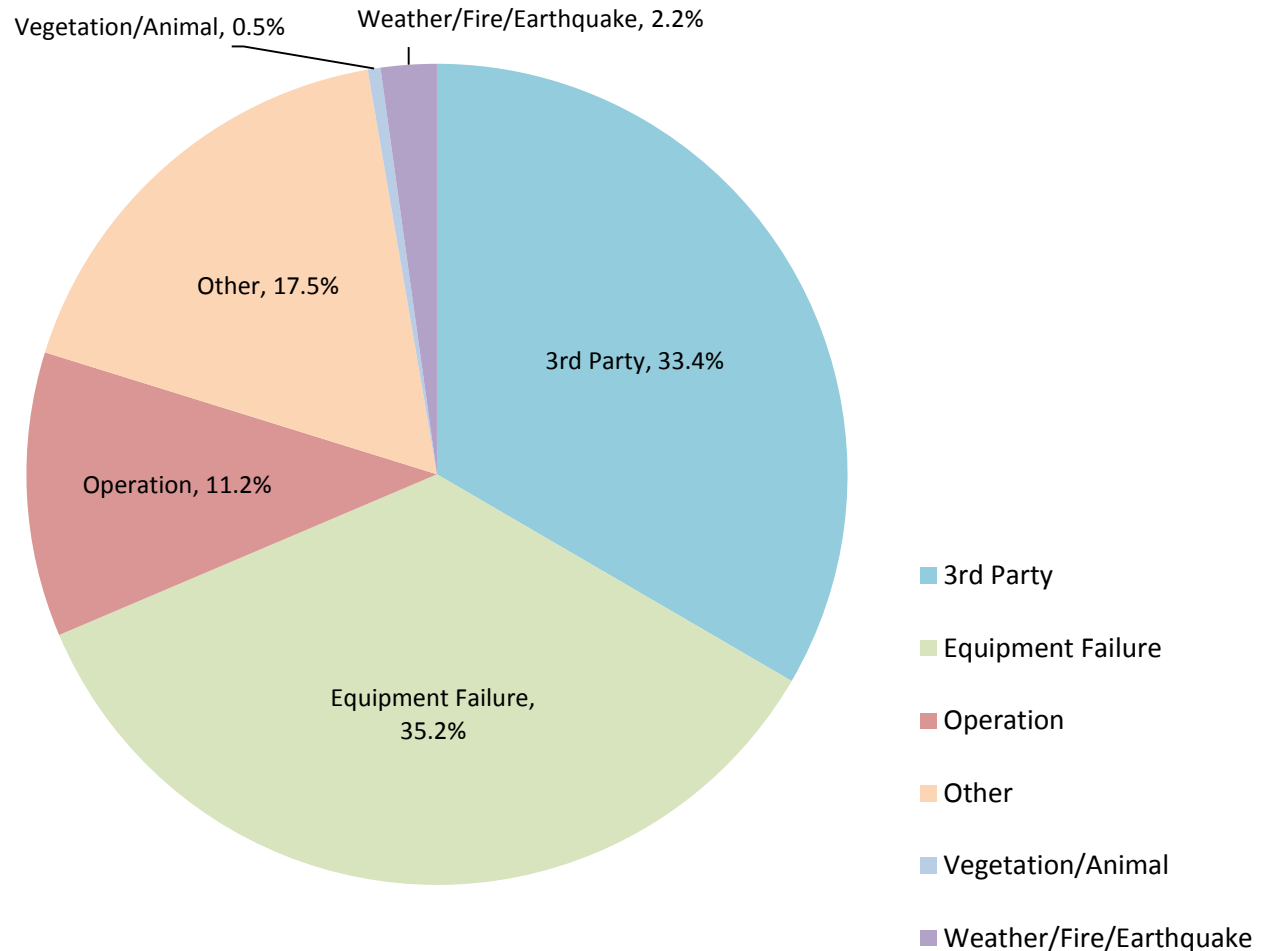
| Circuit Type | Sum of Customers | Circuit Type | Sum of Customers | Circuit Type | Sum of Customers | Circuit Type | Sum of Customers |
|--------------------|------------------|---------------------|------------------|--------------|------------------|--------------|------------------|
| ACROBAT(12KV) | 2,494 | PETAN(12KV) | 1,002 | | | | |
| ANAKIN(12KV) | 1,542 | QUINBY(12KV) | 3,430 | | | | |
| ASHBERRY(12KV) | 1,628 | RAYBURN(12KV) | 1,453 | | | | |
| ASSEMBLY(12KV) | 1,284 | RAZOR(12KV) | 1,265 | | | | |
| BEONE(12KV) | 96 | RITTER(12KV) | 402 | | | | |
| BIG PINES(12KV) | 2,243 | SHOVEL(12KV) | 774 | | | | |
| CALIBER(12KV) | 1,454 | SHOWDOWN(12KV) | 1,366 | | | | |
| CALLI VALLI(12KV) | 1,681 | SIMS(12KV) | 1,609 | | | | |
| CANDLEBERRY(12KV) | 874 | SKYWALKER(12KV) | 1,892 | | | | |
| CITY RANCH(12KV) | 2,234 | SPUR(12KV) | 2,180 | | | | |
| COURSON(12KV) | 2,324 | STEALTH(12KV) | 2,400 | | | | |
| DROID(12KV) | 1,477 | STING(12KV) | 2,541 | | | | |
| FARMS(12KV) | 2,368 | SUBIDA(12KV) | 1,103 | | | | |
| FORAGE(12KV) | 168 | SUN VILLAGE(12KV) | 1,498 | | | | |
| GODDE(12KV) | 1,759 | THORNBURG(12KV) | 1,825 | | | | |
| HANGER(12KV) | 93 | THUNDERBOLT(12KV) | 1,825 | | | | |
| HEIGHTS(12KV) | 2,497 | TIERRA BONITA(12KV) | 18 | | | | |
| HUCKLEBERRY(12KV) | 171 | TITAN(12KV) | 1,500 | | | | |
| INVENTION(12KV) | 1,986 | TOMCAT(12KV) | 2,238 | | | | |
| KONOBIE(12KV) | 1,641 | TWAIN(12KV) | 1,735 | | | | |
| LASKER(12KV) | 1,875 | VADAR(12KV) | 935 | | | | |
| LEDFORD(12KV) | 2,244 | WHIP(12KV) | 1,770 | | | | |
| LEONA(12KV) | 1,172 | WOOKIE(12KV) | 416 | | | | |
| LUPINE(12KV) | 488 | YODA(12KV) | 799 | | | | |
| MARK(12KV) | 2,015 | | | | | | |
| NASA(12KV) | 786 | | | | | | |
| PADDY(12KV) | 1,251 | | | | | | |
| PAINT(12KV) | 2,510 | | | | | | |
| PEARLAND(12KV) | 2,241 | | | | | | |
| PELONA(12KV) | 1,351 | | | | | | |
| Grand Total | 81,923 | | | | | | |

Reliability History of Circuits Serving Palmdale (No Exclusions)



Causes of Repair Outages in Palmdale Circuits 2016 YTD

Contributions to SAIDI by Outage Cause

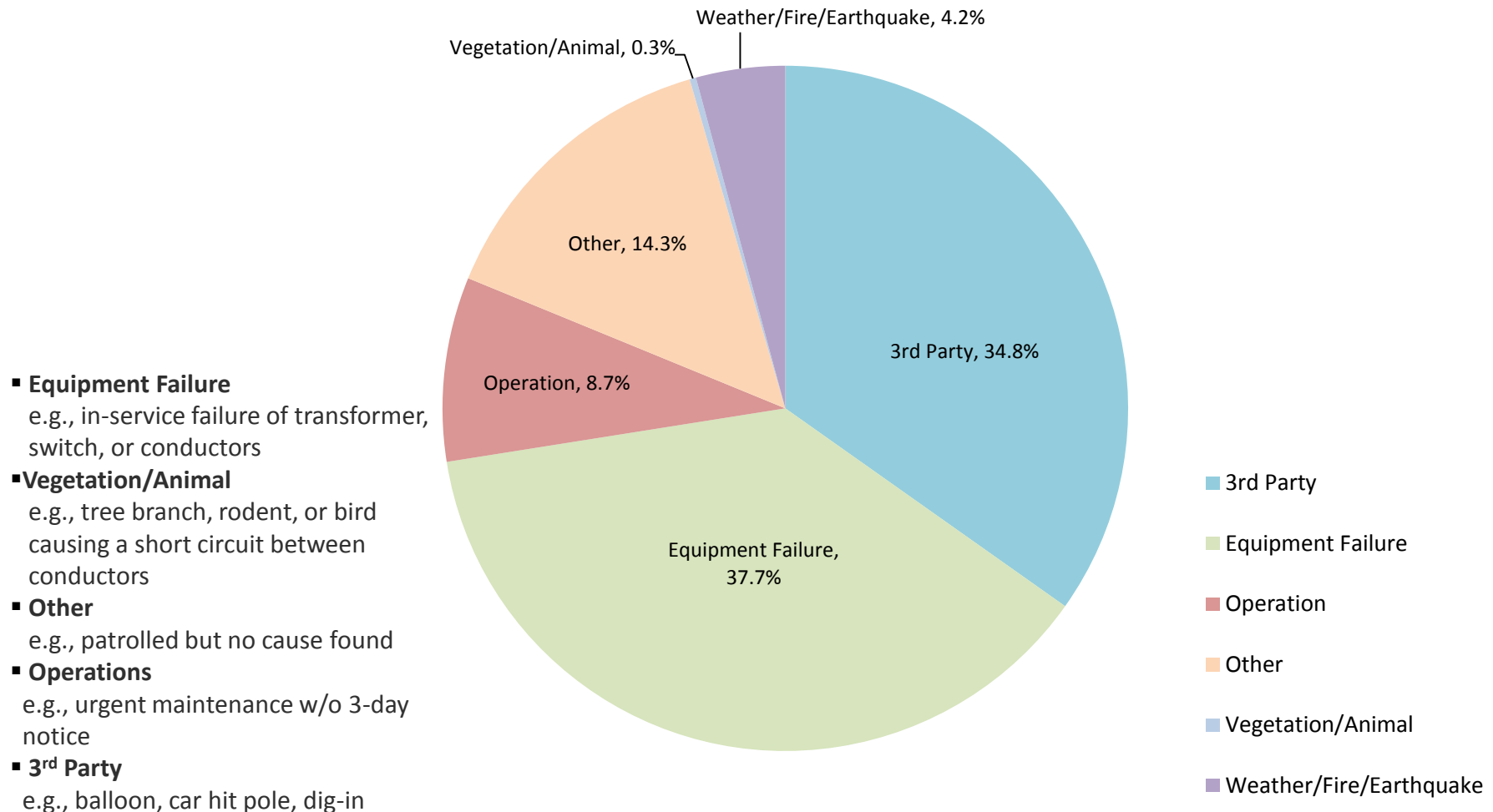


- **Equipment Failure**
e.g., in-service failure of transformer, switch, or conductors
- **Vegetation/Animal**
e.g., tree branch, rodent, or bird causing a short circuit between conductors
- **Other**
e.g., patrolled but no cause found
- **Operations**
e.g., urgent maintenance w/o 3-day notice
- **3rd Party**
e.g., balloon, car hit pole, dig-in

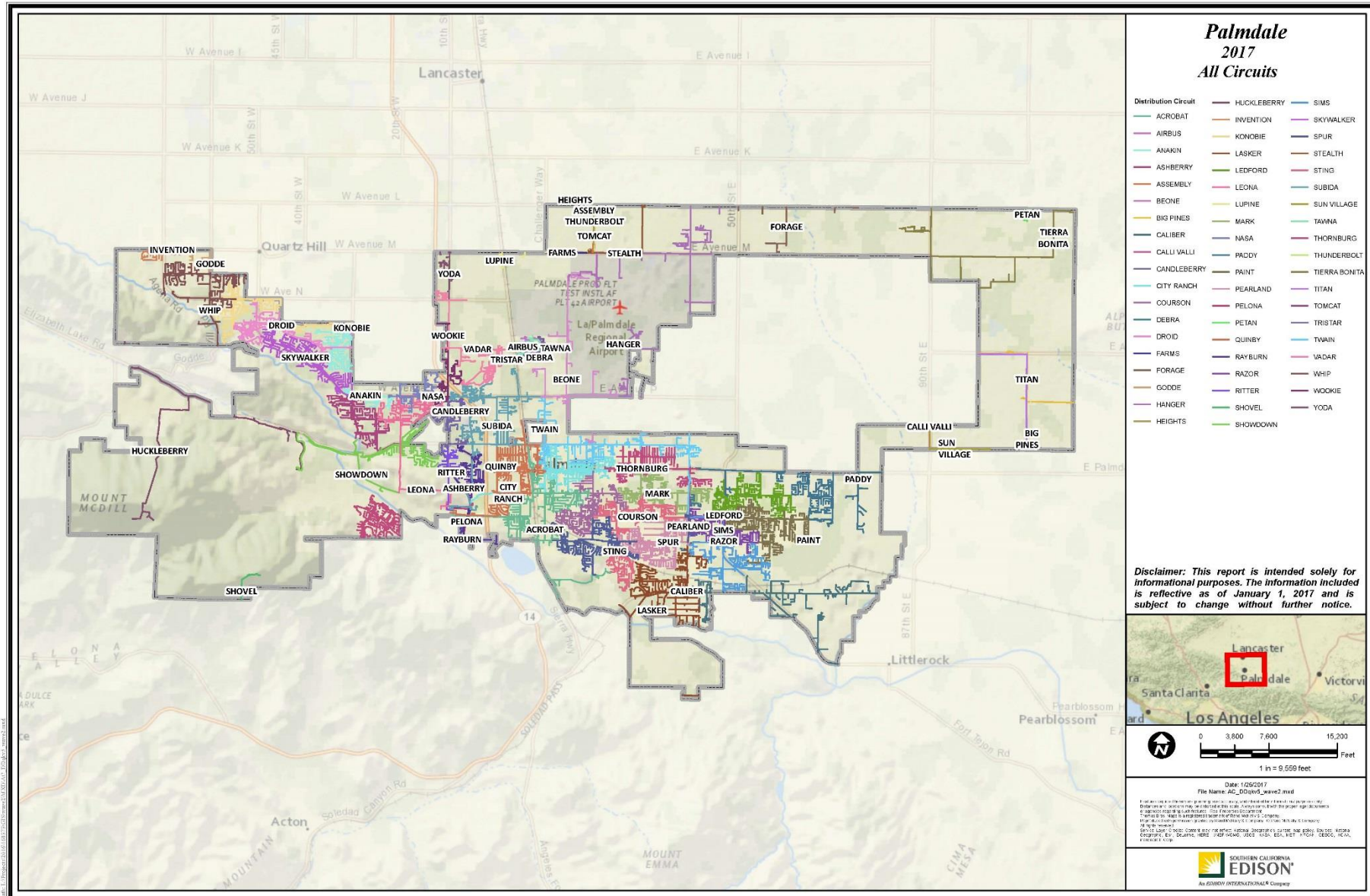
SAIDI = the cumulative amount of time the average customer is interrupted by “sustained” outages each year.

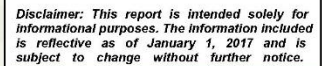
Causes of Repair Outages in Palmdale Circuits 2016 YTD

Contributions to SAIFI by Outage Cause



SAIFI = the number of times the average customer is interrupted by “sustained” outages each year.





Back-up Slides

Reliability Histories of Circuits Serving Palmdale

Updated through Year-End 2016

Average Reliability of 54 Circuits Serving Palmdale

| | 2013 | | | 2014 | | | 2015 | | | 1st Qtr 2016 | | | 2nd Qtr 2016 | | | 3rd Qtr 2016 | | | 4th Qtr 2016 | | | 2016 | | |
|-------------------------|--------------|------------|------------|--------------|------------|------------|--------------|------------|------------|--------------|------------|------------|--------------|------------|------------|--------------|------------|------------|--------------|------------|------------|--------------|------------|------------|
| | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI |
| Palmdale | 83.5 | 0.6 | 0.8 | 52.7 | 0.6 | 1.1 | 74.9 | 0.6 | 1.4 | 17.1 | 0.1 | 0.2 | 29.0 | 0.2 | 0.3 | 24.6 | 0.2 | 0.2 | 18.4 | 0.3 | 0.1 | 89.0 | 0.8 | 0.9 |
| 3rd Party | 48% | 30% | 36% | 20% | 21% | 31% | 17% | 23% | 11% | 34% | 50% | 8% | 47% | 34% | 76% | 27% | 31% | 15% | 21% | 32% | 56% | 33% | 35% | 42% |
| Equipment Failure | 22% | 23% | 13% | 45% | 34% | 26% | 45% | 35% | 11% | 7% | 1% | 0% | 28% | 43% | 0% | 43% | 27% | 21% | 62% | 57% | 7% | 35% | 38% | 6% |
| Operation | 15% | 24% | 9% | 17% | 15% | 2% | 5% | 7% | 3% | 8% | 6% | 0% | 21% | 17% | 9% | 7% | 4% | 22% | 5% | 7% | 4% | 11% | 9% | 9% |
| Other | 11% | 15% | 26% | 7% | 9% | 22% | 14% | 16% | 44% | 49% | 40% | 82% | 5% | 6% | 16% | 15% | 22% | 23% | 12% | 4% | 33% | 17% | 14% | 37% |
| Vegetation/Animal | 1% | 3% | 7% | 4% | 7% | 18% | 1% | 1% | 11% | 0% | 0% | 0% | 0% | 0% | 0% | 2% | 1% | 11% | 0% | 0% | 0% | 0% | 0% | 2% |
| Weather/Fire/Earthquake | 3% | 4% | 9% | 7% | 14% | 2% | 18% | 19% | 19% | 2% | 3% | 10% | 0% | 0% | 0% | 7% | 15% | 8% | 0% | 0% | 0% | 2% | 4% | 4% |
| SCE Systemwide | 102.6 | 0.9 | 1.2 | 112.0 | 1.0 | 1.4 | 114.8 | 0.9 | 1.4 | 40.5 | 0.3 | 0.4 | 34.8 | 0.3 | 0.4 | 29.4 | 0.2 | 0.3 | 29.8 | 0.3 | 0.4 | 134.5 | 1.1 | 1.6 |

Notes:

No outages are excluded from the metrics.

Outage Causes:

Other: e.g., patrolled but no cause could be found

Operations: e.g., urgent maintenance w/o 3-day notice to customers

3rd Party: e.g., balloons, car hit pole, dig-in

Vegetation/Animal: e.g., tree branch, rodent, or bird causing short circuit across conductors

SAIDI (minutes) = the cumulative amount of time the average customer is interrupted by "sustained" (longer than 5 minutes) outages.

SAIFI (interruptions) = the number of times the average customer is interrupted by "sustained" outages.

MAIFI (interruptions) = the number of times the average customer is interrupted by "momentary" (lasting 5 minutes or less) outages.

Reliability Histories for Individual Circuits Serving Palmdale

| | 2013 | | | 2014 | | | 2015 | | | 1st Qtr 2016 | | | 2nd Qtr 2016 | | | 3rd Qtr 2016 | | | 4th Qtr 2016 | | | 2016 | | |
|--|-------------|------------|------------|--------------|------------|------------|--------------|------------|------------|--------------|------------|------------|--------------|------------|------------|--------------|------------|------------|--------------|------------|------------|--------------|------------|------------|
| | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI |
| ACROBAT(12KV) - Customers: 2,494 | 75.5 | 1.5 | 2.5 | 23.2 | 1.1 | 3.0 | 211.7 | 1.8 | 4.3 | 0.0 | 0.0 | 0.0 | 1.3 | 0.0 | 0.0 | 109.4 | 1.5 | 0.5 | 4.1 | 0.0 | 1.0 | 114.7 | 1.5 | 1.5 |
| 3rd Party | 56% | 50% | 50% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 61% | 50% | 50% | 0% | 0% | 0% | 58% | 49% | 18% |
| Equipment Failure | 0% | 0% | 0% | 86% | 93% | 0% | 61% | 56% | 47% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Operation | 0% | 0% | 0% | 14% | 7% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 100% | 100% | 0% | 0% | 0% | 0% | 100% | 100% | 0% | 5% | 3% | 0% |
| Other | 44% | 50% | 50% | 0% | 0% | 33% | 3% | 1% | 23% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 100% | 0% | 0% | 65% |
| Vegetation/Animal | 0% | 0% | 0% | 0% | 0% | 67% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Weather/Fire/Earthquake | 0% | 0% | 0% | 0% | 0% | 0% | 36% | 42% | 30% | 0% | 0% | 0% | 0% | 0% | 0% | 39% | 50% | 50% | 0% | 0% | 0% | 37% | 49% | 18% |
| ANAKIN(12KV) - Customers: 1,542 | 4.1 | 0.0 | 0.2 | 175.1 | 1.4 | 2.8 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3rd Party | 0% | 0% | 0% | 100% | 100% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Equipment Failure | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Operation | 100% | 100% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Other | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Vegetation/Animal | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Weather/Fire/Earthquake | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| ASHBERRY(12KV) - Customers: 1,628 | 4.4 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3rd Party | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Equipment Failure | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Operation | 100% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Other | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Vegetation/Animal | 0% | 0% | 0% | 0% | 0% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Weather/Fire/Earthquake | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| ASSEMBLY(12KV) - Customers: 1,284 | 9.6 | 0.0 | 0.0 | 2.1 | 0.0 | 1.0 | 7.5 | 0.1 | 0.0 | 8.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 7.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15.4 | 0.1 | 0.0 |
| 3rd Party | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 8% | 20% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 4% | 12% | 0% |
| Equipment Failure | 100% | 100% | 0% | 100% | 100% | 100% | 18% | 13% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Operation | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 92% | 80% | 0% | 0% | 0% | 0% | 80% | 86% | 0% | 0% | 0% | 0% | 86% | 82% | 0% |
| Other | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Vegetation/Animal | 0% | 0% | 0% | 0% | 0% | 0% | 82% | 87% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Weather/Fire/Earthquake | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 20% | 14% | 0% | 0% | 0% | 0% | 9% | 6% | 0% |

Reliability Histories for Individual Circuits Serving Palmdale

| | 2013 | | | 2014 | | | 2015 | | | 1st Qtr 2016 | | | 2nd Qtr 2016 | | | 3rd Qtr 2016 | | | 4th Qtr 2016 | | | 2016 | | |
|---|---------------|------------|------------|--------------|------------|------------|--------------|------------|------------|--------------|------------|------------|--------------|------------|------------|--------------|------------|------------|--------------|------------|------------|--------------|------------|------------|
| | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI |
| BEONE(12KV) - Customers: 96 | 0.0 | 0.0 | 0.0 | 64.2 | 1.0 | 3.1 | 380.2 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 |
| 3rd Party | 0% | 0% | 0% | 18% | 6% | 33% | 100% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 100% | 0% | 0% | 0% | 0% | 0% | 100% |
| Equipment Failure | 0% | 0% | 0% | 26% | 1% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Operation | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Other | 0% | 0% | 0% | 56% | 93% | 67% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Vegetation/Animal | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Weather/Fire/Earthquake | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| BIG PINES(12KV) - Customers: 2,243 | 1074.1 | 4.1 | 3.0 | 221.6 | 3.0 | 2.8 | 423.4 | 2.7 | 6.8 | 302.9 | 2.0 | 2.0 | 11.6 | 0.0 | 1.0 | 68.3 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 382.7 | 3.0 | 3.0 |
| 3rd Party | 92% | 16% | 0% | 0% | 0% | 91% | 31% | 26% | 0% | 42% | 50% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 34% | 33% | 0% |
| Equipment Failure | 5% | 28% | 52% | 29% | 17% | 0% | 31% | 35% | 19% | 0% | 0% | 0% | 100% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 3% | 1% | 0% |
| Operation | 4% | 57% | 0% | 29% | 38% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Other | 0% | 0% | 48% | 31% | 23% | 9% | 35% | 37% | 74% | 58% | 50% | 100% | 0% | 0% | 100% | 100% | 100% | 0% | 0% | 0% | 0% | 63% | 66% | 100% |
| Vegetation/Animal | 0% | 0% | 0% | 0% | 0% | 0% | 2% | 2% | 7% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Weather/Fire/Earthquake | 0% | 0% | 0% | 11% | 21% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| CALIBER(12KV) - Customers: 1,454 | 17.0 | 0.2 | 0.6 | 181.6 | 3.9 | 3.2 | 144.7 | 2.2 | 0.6 | 0.2 | 0.0 | 0.0 | 67.4 | 0.6 | 0.4 | 179.5 | 1.0 | 1.0 | 60.4 | 1.0 | 0.0 | 307.6 | 2.7 | 1.4 |
| 3rd Party | 50% | 42% | 95% | 3% | 15% | 18% | 93% | 72% | 95% | 0% | 0% | 0% | 0% | 0% | 0% | 100% | 100% | 0% | 90% | 97% | 0% | 76% | 76% | 0% |
| Equipment Failure | 26% | 5% | 0% | 37% | 32% | 18% | 1% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 1% | 0% | 0% | 0% | 0% | 0% |
| Operation | 16% | 51% | 0% | 4% | 1% | 0% | 4% | 27% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 100% | 1% | 0% | 0% | 0% | 0% | 70% |
| Other | 0% | 0% | 5% | 56% | 52% | 32% | 2% | 1% | 0% | 0% | 0% | 0% | 100% | 100% | 100% | 0% | 0% | 0% | 8% | 3% | 0% | 23% | 24% | 28% |
| Vegetation/Animal | 1% | 0% | 0% | 0% | 0% | 31% | 0% | 0% | 5% | 100% | 100% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 2% |
| Weather/Fire/Earthquake | 6% | 1% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| CALLI VALLI(12KV) - Customers: 1,681 | 139.8 | 1.1 | 0.0 | 218.4 | 5.1 | 3.1 | 26.6 | 0.1 | 2.0 | 0.0 | 0.0 | 0.0 | 32.0 | 0.1 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 32.4 | 0.1 | 0.0 |
| 3rd Party | 93% | 93% | 0% | 39% | 38% | 64% | 23% | 8% | 0% | 0% | 0% | 0% | 83% | 47% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 83% | 45% | 0% |
| Equipment Failure | 1% | 1% | 0% | 19% | 17% | 5% | 7% | 3% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 100% | 100% | 0% | 0% | 0% | 0% | 1% | 5% | 0% |
| Operation | 0% | 0% | 0% | 2% | 6% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Other | 6% | 6% | 0% | 0% | 0% | 32% | 0% | 0% | 100% | 0% | 0% | 0% | 17% | 53% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 16% | 50% | 0% |
| Vegetation/Animal | 0% | 0% | 0% | 20% | 20% | 0% | 48% | 84% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Weather/Fire/Earthquake | 0% | 0% | 0% | 21% | 19% | 0% | 22% | 5% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |

Reliability Histories for Individual Circuits Serving Palmdale

| | 2013 | | | 2014 | | | 2015 | | | 1st Qtr 2016 | | | 2nd Qtr 2016 | | | 3rd Qtr 2016 | | | 4th Qtr 2016 | | | 2016 | | |
|--|--------------|------------|------------|--------------|------------|------------|--------------|------------|------------|--------------|------------|------------|--------------|------------|------------|--------------|------------|------------|--------------|------------|------------|--------------|------------|------------|
| | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI |
| CANDLEBERRY(12KV) - Customers: 874 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3rd Party | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Equipment Failure | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Operation | 100% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Other | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Vegetation/Animal | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Weather/Fire/Earthquake | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| CITY RANCH(12KV) - Customers: 2,234 | 143.8 | 1.6 | 2.7 | 139.4 | 1.1 | 1.4 | 187.4 | 0.7 | 1.8 | 0.0 | 0.0 | 0.0 | 85.5 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 85.5 | 1.0 | 0.0 |
| 3rd Party | 46% | 36% | 69% | 0% | 0% | 71% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Equipment Failure | 54% | 64% | 31% | 8% | 5% | 0% | 6% | 9% | 0% | 0% | 0% | 0% | 100% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 100% | 100% | 0% |
| Operation | 0% | 0% | 0% | 89% | 91% | 29% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Other | 0% | 0% | 0% | 2% | 4% | 0% | 1% | 2% | 55% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Vegetation/Animal | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Weather/Fire/Earthquake | 0% | 0% | 0% | 0% | 0% | 0% | 93% | 90% | 45% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| COURSON(12KV) - Customers: 2,324 | 127.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13.0 | 0.1 | 1.0 | 78.1 | 0.3 | 1.3 | 0.0 | 0.0 | 0.0 | 125.9 | 2.2 | 0.0 | 217.0 | 2.6 | 2.3 |
| 3rd Party | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 100% | 100% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 36% | 13% | 56% |
| Equipment Failure | 100% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 100% | 100% | 0% | 58% | 85% | 0% |
| Operation | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 100% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 6% | 2% | 0% |
| Other | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 44% |
| Vegetation/Animal | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Weather/Fire/Earthquake | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| DROID(12KV) - Customers: 1,477 | 16.4 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 235.0 | 2.4 | 0.0 | 6.8 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 241.9 | 2.5 | 0.0 |
| 3rd Party | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Equipment Failure | 57% | 48% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 100% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 97% | 98% | 0% |
| Operation | 43% | 52% | 0% | 0% | 0% | 0% | 100% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 14% | 11% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Other | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 86% | 89% | 0% | 0% | 0% | 0% | 2% | 2% | 0% |
| Vegetation/Animal | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Weather/Fire/Earthquake | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |

Reliability Histories for Individual Circuits Serving Palmdale

| | 2013 | | | 2014 | | | 2015 | | | 1st Qtr 2016 | | | 2nd Qtr 2016 | | | 3rd Qtr 2016 | | | 4th Qtr 2016 | | | 2016 | | |
|---------------------------------------|--------------|------------|------------|--------------|------------|------------|--------------|------------|------------|--------------|------------|------------|--------------|------------|------------|--------------|------------|------------|--------------|------------|------------|--------------|------------|------------|
| | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI |
| FARMS(12KV) - Customers: 2,368 | 188.2 | 1.2 | 0.0 | 32.7 | 0.2 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 65.1 | 0.7 | 1.3 | 0.8 | 0.0 | 0.0 | 65.9 | 0.8 | 1.3 |
| 3rd Party | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Equipment Failure | 36% | 16% | 0% | 9% | 14% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 97% | 96% | 100% | 0% | 0% | 0% | 96% | 95% | 100% |
| Operation | 0% | 0% | 0% | 91% | 86% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 3% | 4% | 0% | 100% | 100% | 0% | 4% | 5% | 0% |
| Other | 64% | 84% | 0% | 0% | 0% | 0% | 0% | 0% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Vegetation/Animal | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Weather/Fire/Earthquake | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| FORAGE(12KV) - Customers: 168 | 115.6 | 1.3 | 0.0 | 214.6 | 1.2 | 1.5 | 225.0 | 1.4 | 2.9 | 0.0 | 0.0 | 0.0 | 10.4 | 0.3 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12.0 | 0.3 | 0.0 |
| 3rd Party | 72% | 81% | 0% | 0% | 0% | 0% | 2% | 1% | 37% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Equipment Failure | 21% | 11% | 0% | 0% | 0% | 0% | 3% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 100% | 100% | 0% | 0% | 0% | 0% | 13% | 2% | 0% |
| Operation | 0% | 0% | 0% | 22% | 16% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 100% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 87% | 98% | 0% |
| Other | 0% | 0% | 0% | 0% | 0% | 0% | 23% | 22% | 63% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Vegetation/Animal | 8% | 9% | 0% | 0% | 0% | 66% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Weather/Fire/Earthquake | 0% | 0% | 0% | 78% | 84% | 34% | 71% | 76% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| GODDE(12KV) - Customers: 1,759 | 104.1 | 1.1 | 2.0 | 47.3 | 0.2 | 2.0 | 3.2 | 0.0 | 0.0 | 154.1 | 0.4 | 0.6 | 5.6 | 0.0 | 0.0 | 10.1 | 0.0 | 0.0 | 36.7 | 0.1 | 0.0 | 206.5 | 0.6 | 0.6 |
| 3rd Party | 0% | 0% | 50% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Equipment Failure | 31% | 11% | 0% | 99% | 99% | 51% | 0% | 0% | 0% | 35% | 11% | 0% | 100% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 29% | 15% | 0% |
| Operation | 0% | 0% | 0% | 1% | 1% | 0% | 100% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 100% | 100% | 0% | 76% | 50% | 0% | 18% | 14% | 0% |
| Other | 69% | 89% | 50% | 0% | 0% | 49% | 0% | 0% | 0% | 65% | 89% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 24% | 50% | 0% | 53% | 71% | 100% |
| Vegetation/Animal | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Weather/Fire/Earthquake | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| HANGER(12KV) - Customers: 93 | 128.2 | 1.9 | 0.0 | 256.2 | 1.0 | 8.0 | 51.7 | 0.2 | 2.6 | 22.4 | 0.1 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 0.1 | 0.2 | 23.9 | 0.2 | 1.0 |
| 3rd Party | 32% | 53% | 0% | 2% | 1% | 37% | 5% | 3% | 23% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 100% | 0% | 0% | 26% |
| Equipment Failure | 5% | 1% | 0% | 98% | 98% | 25% | 93% | 90% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Operation | 0% | 0% | 0% | 0% | 1% | 0% | 1% | 7% | 0% | 100% | 100% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 100% | 100% | 0% | 100% | 100% | 74% |
| Other | 0% | 0% | 0% | 0% | 0% | 38% | 0% | 0% | 77% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Vegetation/Animal | 63% | 46% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Weather/Fire/Earthquake | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |

Reliability Histories for Individual Circuits Serving Palmdale

| | 2013 | | | 2014 | | | 2015 | | | 1st Qtr 2016 | | | 2nd Qtr 2016 | | | 3rd Qtr 2016 | | | 4th Qtr 2016 | | | 2016 | | |
|---|--------------|------------|------------|-------------|------------|------------|-------------|------------|------------|--------------|------------|------------|--------------|------------|------------|--------------|------------|------------|--------------|------------|------------|-------------|------------|------------|
| | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI |
| HEIGHTS(12KV) - Customers: 2,497 | 20.0 | 0.0 | 0.0 | 34.3 | 0.7 | 0.0 | 3.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 0.0 | 0.0 | 19.6 | 0.1 | 0.0 | 7.0 | 0.6 | 0.0 | 28.7 | 0.7 | 0.0 |
| 3rd Party | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Equipment Failure | 100% | 100% | 0% | 100% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 100% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 7% | 4% | 0% |
| Operation | 0% | 0% | 0% | 0% | 0% | 0% | 100% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 100% | 100% | 0% | 100% | 100% | 0% | 93% | 96% | 0% |
| Other | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Vegetation/Animal | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Weather/Fire/Earthquake | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| HUCKLEBERRY(12KV) - Customers: 171 | 87.0 | 1.0 | 1.4 | 6.9 | 0.0 | 0.0 | 19.3 | 0.0 | 1.4 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 1.8 | 0.0 | 0.0 | 1.8 | 0.0 | 1.4 |
| 3rd Party | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Equipment Failure | 7% | 2% | 71% | 98% | 67% | 0% | 21% | 20% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 100% | 100% | 0% | 100% | 100% | 0% |
| Operation | 2% | 2% | 0% | 2% | 33% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Other | 91% | 96% | 29% | 0% | 0% | 0% | 0% | 0% | 100% | 0% | 0% | 100% | 0% | 0% | 0% | 0% | 0% | 100% | 0% | 0% | 0% | 0% | 0% | 100% |
| Vegetation/Animal | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Weather/Fire/Earthquake | 0% | 0% | 0% | 0% | 0% | 0% | 79% | 80% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| INVENTION(12KV) - Customers: 1,986 | 20.9 | 0.1 | 2.9 | 27.7 | 0.6 | 0.5 | 31.1 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 4.0 | 0.0 | 1.0 | 4.0 | 0.0 | 0.0 | 40.7 | 1.0 | 0.0 | 48.7 | 1.0 | 1.0 |
| 3rd Party | 3% | 3% | 69% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 100% |
| Equipment Failure | 97% | 97% | 31% | 0% | 0% | 0% | 60% | 94% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 100% | 100% | 0% | 84% | 96% | 0% |
| Operation | 0% | 0% | 0% | 26% | 8% | 0% | 40% | 6% | 0% | 0% | 0% | 0% | 100% | 100% | 0% | 100% | 100% | 0% | 0% | 0% | 0% | 16% | 4% | 0% |
| Other | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Vegetation/Animal | 0% | 0% | 0% | 74% | 92% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Weather/Fire/Earthquake | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| KONOBIE(12KV) - Customers: 1,641 | 331.6 | 2.2 | 3.0 | 13.0 | 0.1 | 2.0 | 14.8 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 | 1.0 |
| 3rd Party | 8% | 47% | 33% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Equipment Failure | 0% | 0% | 0% | 16% | 20% | 0% | 11% | 18% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Operation | 91% | 53% | 67% | 60% | 63% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Other | 0% | 0% | 0% | 0% | 0% | 50% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Vegetation/Animal | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 100% | 100% | 100% | 0% | 0% | 0% | 100% | 100% | 100% |
| Weather/Fire/Earthquake | 0% | 0% | 0% | 24% | 17% | 50% | 89% | 82% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |

Reliability Histories for Individual Circuits Serving Palmdale

| | 2013 | | | 2014 | | | 2015 | | | 1st Qtr 2016 | | | 2nd Qtr 2016 | | | 3rd Qtr 2016 | | | 4th Qtr 2016 | | | 2016 | | |
|---|-------------|------------|------------|-------------|------------|------------|--------------|------------|------------|--------------|------------|------------|--------------|------------|------------|--------------|------------|------------|--------------|------------|------------|--------------|------------|------------|
| | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI |
| LASKER(12KV) - Customers: 1,875 | 24.8 | 0.1 | 0.4 | 27.5 | 0.2 | 0.1 | 185.6 | 1.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11.7 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 11.9 | 0.0 | 0.1 |
| 3rd Party | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 10% | 23% | 0% | 0% | 0% | 0% | 10% | 23% | 0% |
| Equipment Failure | 2% | 1% | 39% | 79% | 75% | 0% | 3% | 2% | 0% | 100% | 100% | 0% | 0% | 0% | 0% | 4% | 5% | 0% | 100% | 100% | 0% | 6% | 8% | 0% |
| Operation | 98% | 99% | 61% | 0% | 0% | 0% | 0% | 0% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 86% | 71% | 0% | 0% | 0% | 0% | 84% | 69% | 0% |
| Other | 0% | 0% | 0% | 0% | 0% | 100% | 97% | 98% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 100% | 0% | 0% | 100% |
| Vegetation/Animal | 0% | 0% | 0% | 21% | 25% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Weather/Fire/Earthquake | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| LEDFORD(12KV) - Customers: 2,244 | 2.9 | 0.0 | 0.0 | 17.9 | 0.1 | 0.0 | 9.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3rd Party | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Equipment Failure | 100% | 100% | 0% | 48% | 33% | 0% | 100% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Operation | 0% | 0% | 0% | 52% | 67% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Other | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Vegetation/Animal | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Weather/Fire/Earthquake | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| LEONA(12KV) - Customers: 1,172 | 15.8 | 1.0 | 0.0 | 13.0 | 0.1 | 4.0 | 0.0 | 0.0 | 2.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 113.1 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 113.1 | 1.0 | 1.0 |
| 3rd Party | 0% | 0% | 0% | 0% | 0% | 25% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Equipment Failure | 0% | 0% | 0% | 18% | 1% | 25% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Operation | 0% | 0% | 0% | 82% | 99% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Other | 0% | 0% | 0% | 0% | 0% | 25% | 0% | 0% | 100% | 0% | 0% | 100% | 0% | 0% | 0% | 100% | 100% | 0% | 0% | 0% | 0% | 100% | 100% | 100% |
| Vegetation/Animal | 0% | 0% | 0% | 0% | 0% | 25% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Weather/Fire/Earthquake | 100% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| LUPINE(12KV) - Customers: 488 | 7.4 | 0.6 | 0.0 | 5.8 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 40.8 | 0.1 | 0.0 | 40.8 | 0.1 | 0.0 |
| 3rd Party | 0% | 0% | 0% | 100% | 100% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Equipment Failure | 100% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 100% | 100% | 0% | 100% | 100% | 0% |
| Operation | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Other | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Vegetation/Animal | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Weather/Fire/Earthquake | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |

Reliability Histories for Individual Circuits Serving Palmdale

| | 2013 | | | 2014 | | | 2015 | | | 1st Qtr 2016 | | | 2nd Qtr 2016 | | | 3rd Qtr 2016 | | | 4th Qtr 2016 | | | 2016 | | |
|---------------------------------------|-------------|------------|------------|-------------|------------|------------|-------------|------------|------------|--------------|------------|------------|--------------|------------|------------|--------------|------------|------------|--------------|------------|------------|-------------|------------|------------|
| | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI |
| MARK(12KV) - Customers: 2,015 | 55.2 | 0.1 | 2.8 | 47.1 | 0.1 | 1.0 | 22.3 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3rd Party | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Equipment Failure | 97% | 97% | 0% | 100% | 100% | 100% | 60% | 62% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Operation | 3% | 3% | 28% | 0% | 0% | 0% | 40% | 38% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Other | 0% | 0% | 72% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Vegetation/Animal | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Weather/Fire/Earthquake | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| NASA(12KV) - Customers: 786 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 30.6 | 0.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 |
| 3rd Party | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Equipment Failure | 0% | 0% | 0% | 0% | 0% | 0% | 100% | 100% | 35% | 0% | 0% | 0% | 0% | 0% | 0% | 100% | 100% | 0% | 0% | 0% | 0% | 100% | 100% | 0% |
| Operation | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Other | 0% | 0% | 0% | 0% | 0% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Vegetation/Animal | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 65% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Weather/Fire/Earthquake | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| PADDY(12KV) - Customers: 1,251 | 10.2 | 0.9 | 0.0 | 0.0 | 0.0 | 1.0 | 0.9 | 0.0 | 1.0 | 9.9 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.9 | 0.0 | 1.0 |
| 3rd Party | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 100% |
| Equipment Failure | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Operation | 100% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Other | 0% | 0% | 0% | 0% | 0% | 100% | 100% | 100% | 100% | 100% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 100% | 100% | 0% |
| Vegetation/Animal | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Weather/Fire/Earthquake | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| PAINT(12KV) - Customers: 2,510 | 0.0 | 0.0 | 0.0 | 7.8 | 0.1 | 0.0 | 11.7 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 76.7 | 0.4 | 1.2 | 0.0 | 0.0 | 0.0 | 13.0 | 1.0 | 1.0 | 89.7 | 1.4 | 2.2 |
| 3rd Party | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 100% | 100% | 100% | 0% | 0% | 0% | 100% | 100% | 100% | 100% | 100% | 100% |
| Equipment Failure | 0% | 0% | 0% | 76% | 69% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Operation | 0% | 0% | 0% | 24% | 31% | 0% | 100% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Other | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Vegetation/Animal | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Weather/Fire/Earthquake | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |

Reliability Histories for Individual Circuits Serving Palmdale

| | 2013 | | | 2014 | | | 2015 | | | 1st Qtr 2016 | | | 2nd Qtr 2016 | | | 3rd Qtr 2016 | | | 4th Qtr 2016 | | | 2016 | | |
|-----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|-------|-------|--------------|-------|-------|--------------|-------|-------|--------------|-------|-------|-------|-------|-------|
| | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| PEARLAND(12KV) - Customers: 2,241 | 4.1 | 0.0 | 1.0 | 1.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3rd Party | 0% | 0% | 0% | 11% | 21% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Equipment Failure | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Operation | 100% | 100% | 0% | 89% | 79% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Other | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Vegetation/Animal | 0% | 0% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Weather/Fire/Earthquake | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| PELONA(12KV) - Customers: 1,351 | 49.8 | 1.0 | 1.0 | 0.0 | 0.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3rd Party | 0% | 0% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Equipment Failure | 92% | 99% | 0% | 0% | 0% | 50% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Operation | 7% | 1% | 0% | 100% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Other | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Vegetation/Animal | 1% | 0% | 0% | 0% | 0% | 50% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Weather/Fire/Earthquake | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| PETAN(12KV) - Customers: 1,002 | 4.1 | 0.0 | 3.0 | 58.7 | 0.3 | 3.7 | 1.9 | 0.0 | 3.9 | 0.0 | 0.0 | 0.0 | 60.9 | 1.0 | 1.0 | 75.6 | 0.2 | 0.0 | 3.0 | 0.0 | 1.0 | 139.5 | 1.2 | 2.0 |
| 3rd Party | 0% | 0% | 0% | 0% | 0% | 54% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 100% | 100% | 100% | 2% | 0% | 52% |
| Equipment Failure | 68% | 22% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 20% | 7% | 0% | 82% | 57% | 0% | 0% | 0% | 0% | 53% | 15% | 0% |
| Operation | 6% | 33% | 0% | 100% | 100% | 19% | 7% | 8% | 0% | 0% | 0% | 0% | 80% | 93% | 0% | 18% | 43% | 0% | 0% | 0% | 0% | 45% | 85% | 0% |
| Other | 0% | 0% | 33% | 0% | 0% | 27% | 0% | 0% | 100% | 0% | 0% | 0% | 0% | 0% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 48% |
| Vegetation/Animal | 26% | 44% | 0% | 0% | 0% | 0% | 93% | 92% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Weather/Fire/Earthquake | 0% | 0% | 67% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| QUINBY(12KV) - Customers: 3,430 | 6.7 | 0.0 | 0.0 | 22.1 | 0.1 | 0.0 | 59.5 | 1.0 | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.0 | 1.0 |
| 3rd Party | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 100% |
| Equipment Failure | 96% | 84% | 0% | 89% | 95% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 100% | 100% | 0% | 0% | 0% | 0% | 100% | 100% | 0% |
| Operation | 4% | 16% | 0% | 11% | 5% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Other | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Vegetation/Animal | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Weather/Fire/Earthquake | 0% | 0% | 0% | 0% | 0% | 0% | 100% | 100% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |

Reliability Histories for Individual Circuits Serving Palmdale

| | 2013 | | | 2014 | | | 2015 | | | 1st Qtr 2016 | | | 2nd Qtr 2016 | | | 3rd Qtr 2016 | | | 4th Qtr 2016 | | | 2016 | | |
|---|--------------|------------|------------|--------------|------------|------------|-------------|------------|------------|--------------|------------|------------|--------------|------------|------------|--------------|------------|------------|--------------|------------|------------|--------------|------------|------------|
| | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI |
| RAYBURN(12KV) - Customers: 1,453 | 98.6 | 1.2 | 1.0 | 0.4 | 0.0 | 1.0 | 5.7 | 0.0 | 3.0 | 0.5 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 |
| 3rd Party | 91% | 86% | 0% | 0% | 0% | 0% | 26% | 16% | 33% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Equipment Failure | 3% | 1% | 0% | 56% | 67% | 0% | 10% | 16% | 0% | 100% | 100% | 0% | 100% | 100% | 0% | 0% | 0% | 0% | 100% | 100% | 0% | 100% | 100% | 0% |
| Operation | 6% | 14% | 0% | 44% | 33% | 0% | 64% | 68% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Other | 0% | 0% | 100% | 0% | 0% | 0% | 0% | 0% | 67% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Vegetation/Animal | 0% | 0% | 0% | 0% | 0% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Weather/Fire/Earthquake | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| RAZOR(12KV) - Customers: 1,265 | 46.7 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 96.2 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.1 | 0.1 | 0.0 |
| 3rd Party | 0% | 0% | 0% | 0% | 0% | 0% | 92% | 91% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Equipment Failure | 100% | 100% | 100% | 0% | 0% | 0% | 8% | 9% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Operation | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 100% | 100% | 0% | 100% | 100% | 0% | 100% | 100% | 0% |
| Other | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Vegetation/Animal | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Weather/Fire/Earthquake | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| RITTER(12KV) - Customers: 402 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 0.0 | 0.0 | 2.0 |
| 3rd Party | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Equipment Failure | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 100% | 0% | 0% | 100% |
| Operation | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Other | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Vegetation/Animal | 0% | 0% | 100% | 0% | 0% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Weather/Fire/Earthquake | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| SHOVEL(12KV) - Customers: 774 | 484.3 | 2.8 | 0.9 | 260.9 | 1.4 | 3.0 | 15.1 | 0.0 | 4.0 | 93.3 | 0.7 | 1.1 | 12.8 | 1.0 | 0.0 | 1.8 | 0.0 | 0.0 | 55.4 | 0.5 | 0.0 | 163.2 | 2.3 | 1.1 |
| 3rd Party | 38% | 38% | 0% | 0% | 0% | 0% | 7% | 3% | 0% | 98% | 99% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 56% | 32% | 0% |
| Equipment Failure | 13% | 20% | 0% | 82% | 60% | 33% | 43% | 41% | 14% | 2% | 1% | 0% | 93% | 100% | 0% | 100% | 100% | 0% | 100% | 100% | 0% | 43% | 68% | 0% |
| Operation | 0% | 0% | 0% | 0% | 0% | 0% | 19% | 34% | 0% | 0% | 0% | 0% | 1% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Other | 44% | 28% | 100% | 0% | 0% | 0% | 0% | 0% | 81% | 0% | 0% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 100% |
| Vegetation/Animal | 0% | 0% | 0% | 18% | 40% | 67% | 18% | 19% | 5% | 0% | 0% | 0% | 6% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Weather/Fire/Earthquake | 4% | 14% | 0% | 0% | 0% | 0% | 14% | 3% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |

Reliability Histories for Individual Circuits Serving Palmdale

| | 2013 | | | 2014 | | | 2015 | | | 1st Qtr 2016 | | | 2nd Qtr 2016 | | | 3rd Qtr 2016 | | | 4th Qtr 2016 | | | 2016 | | |
|---|-------------|------------|------------|--------------|------------|------------|--------------|------------|------------|--------------|------------|------------|--------------|------------|------------|--------------|------------|------------|--------------|------------|------------|--------------|------------|------------|
| | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI |
| SHOWDOWN(12KV) - Customers: 1,366 | 69.2 | 2.2 | 2.0 | 0.0 | 0.0 | 1.0 | 177.2 | 1.1 | 0.0 | 0.0 | 0.0 | 1.0 | 0.1 | 0.0 | 1.0 | 0.9 | 0.0 | 0.0 | 38.1 | 1.0 | 1.0 | 39.1 | 1.0 | 3.0 |
| 3rd Party | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 100% | 0% | 0% | 0% | 0% | 0% | 100% | 0% | 0% | 67% |
| Equipment Failure | 65% | 47% | 50% | 0% | 0% | 0% | 99% | 95% | 0% | 0% | 0% | 0% | 100% | 100% | 0% | 100% | 100% | 0% | 100% | 100% | 0% | 100% | 100% | 0% |
| Operation | 23% | 8% | 0% | 100% | 100% | 0% | 1% | 5% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Other | 0% | 0% | 0% | 0% | 0% | 100% | 0% | 0% | 0% | 0% | 0% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 33% |
| Vegetation/Animal | 12% | 45% | 50% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Weather/Fire/Earthquake | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| SIMS(12KV) - Customers: 1,609 | 0.0 | 0.0 | 0.0 | 149.3 | 2.0 | 2.0 | 20.7 | 1.0 | 0.0 | 43.3 | 0.2 | 0.0 | 488.0 | 1.3 | 2.0 | 32.5 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 563.9 | 1.6 | 2.0 |
| 3rd Party | 0% | 0% | 0% | 87% | 50% | 0% | 96% | 99% | 0% | 0% | 0% | 0% | 53% | 40% | 50% | 0% | 0% | 0% | 0% | 0% | 0% | 46% | 33% | 50% |
| Equipment Failure | 0% | 0% | 0% | 13% | 50% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 100% | 100% | 0% | 0% | 0% | 0% | 6% | 4% | 0% |
| Operation | 0% | 0% | 0% | 0% | 0% | 0% | 4% | 1% | 0% | 100% | 100% | 0% | 47% | 60% | 50% | 0% | 0% | 0% | 0% | 0% | 0% | 48% | 63% | 50% |
| Other | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Vegetation/Animal | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Weather/Fire/Earthquake | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| SKYWALKER(12KV) - Customers: 1,892 | 0.0 | 0.0 | 0.0 | 10.9 | 0.1 | 0.0 | 2.6 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3rd Party | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Equipment Failure | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Operation | 0% | 0% | 0% | 100% | 100% | 0% | 100% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Other | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Vegetation/Animal | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Weather/Fire/Earthquake | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| SPUR(12KV) - Customers: 2,180 | 40.5 | 0.2 | 0.0 | 145.1 | 1.1 | 2.0 | 44.5 | 1.1 | 1.0 | 0.0 | 0.0 | 0.0 | 8.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 205.0 | 2.2 | 0.0 | 213.1 | 2.3 | 0.0 |
| 3rd Party | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 28% | 45% | 0% | 27% | 44% | 0% |
| Equipment Failure | 100% | 100% | 0% | 94% | 96% | 100% | 85% | 94% | 0% | 0% | 0% | 0% | 23% | 34% | 0% | 0% | 0% | 0% | 72% | 55% | 0% | 70% | 54% | 0% |
| Operation | 0% | 0% | 0% | 6% | 4% | 0% | 15% | 6% | 100% | 0% | 0% | 0% | 77% | 66% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 3% | 2% | 0% |
| Other | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Vegetation/Animal | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Weather/Fire/Earthquake | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |

Reliability Histories for Individual Circuits Serving Palmdale

| | 2013 | | | 2014 | | | 2015 | | | 1st Qtr 2016 | | | 2nd Qtr 2016 | | | 3rd Qtr 2016 | | | 4th Qtr 2016 | | | 2016 | | |
|---|--------------|------------|------------|--------------|------------|------------|--------------|------------|------------|--------------|------------|------------|--------------|------------|------------|--------------|------------|------------|--------------|------------|------------|--------------|------------|------------|
| | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI |
| STEALTH(12KV) - Customers: 2,400 | 14.8 | 1.0 | 1.0 | 5.9 | 0.0 | 0.0 | 29.1 | 0.4 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.0 | 0.0 | 0.9 | 0.0 | 0.0 |
| 3rd Party | 0% | 0% | 100% | 0% | 0% | 0% | 65% | 88% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Equipment Failure | 0% | 0% | 0% | 0% | 0% | 0% | 34% | 11% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Operation | 100% | 100% | 0% | 0% | 0% | 100% | 1% | 2% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Other | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Vegetation/Animal | 0% | 0% | 0% | 100% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 100% | 100% | 0% | 100% | 100% | 0% |
| Weather/Fire/Earthquake | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| STING(12KV) - Customers: 2,541 | 15.1 | 0.0 | 0.0 | 106.4 | 0.1 | 2.0 | 310.3 | 0.6 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 232.8 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 232.8 | 1.0 | 0.0 |
| 3rd Party | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Equipment Failure | 0% | 0% | 0% | 100% | 100% | 100% | 100% | 100% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 100% | 100% | 0% | 0% | 0% | 0% | 100% | 100% | 0% |
| Operation | 1% | 34% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Other | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Vegetation/Animal | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Weather/Fire/Earthquake | 99% | 66% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| SUBIDA(12KV) - Customers: 1,103 | 51.6 | 0.5 | 0.5 | 0.0 | 0.0 | 1.0 | 29.1 | 0.9 | 1.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3rd Party | 92% | 97% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Equipment Failure | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Operation | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Other | 0% | 0% | 0% | 0% | 0% | 0% | 100% | 100% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Vegetation/Animal | 8% | 3% | 0% | 0% | 0% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Weather/Fire/Earthquake | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| SUN VILLAGE(12KV) - Customers: 1,498 | 209.6 | 2.3 | 4.2 | 128.5 | 1.8 | 0.6 | 252.1 | 2.2 | 8.2 | 6.0 | 0.1 | 0.0 | 177.3 | 1.5 | 0.4 | 1.8 | 0.0 | 1.2 | 0.0 | 0.0 | 0.0 | 185.1 | 1.6 | 1.7 |
| 3rd Party | 33% | 34% | 26% | 0% | 0% | 0% | 21% | 25% | 25% | 7% | 8% | 0% | 80% | 87% | 0% | 31% | 38% | 82% | 0% | 0% | 0% | 77% | 83% | 60% |
| Equipment Failure | 13% | 11% | 0% | 49% | 14% | 33% | 18% | 12% | 0% | 7% | 1% | 0% | 1% | 1% | 0% | 69% | 62% | 0% | 0% | 0% | 0% | 2% | 1% | 0% |
| Operation | 4% | 4% | 9% | 0% | 0% | 0% | 27% | 28% | 4% | 0% | 0% | 0% | 18% | 13% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 18% | 12% | 26% |
| Other | 14% | 30% | 41% | 0% | 0% | 67% | 27% | 25% | 42% | 86% | 91% | 0% | 0% | 0% | 0% | 0% | 0% | 18% | 0% | 0% | 0% | 3% | 4% | 14% |
| Vegetation/Animal | 0% | 0% | 2% | 3% | 2% | 0% | 0% | 0% | 12% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Weather/Fire/Earthquake | 35% | 22% | 22% | 48% | 83% | 0% | 8% | 11% | 17% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |

Reliability Histories for Individual Circuits Serving Palmdale

| | 2013 | | | 2014 | | | 2015 | | | 1st Qtr 2016 | | | 2nd Qtr 2016 | | | 3rd Qtr 2016 | | | 4th Qtr 2016 | | | 2016 | | |
|---|--------------|------------|------------|--------------|------------|------------|--------------|------------|------------|--------------|------------|------------|--------------|------------|------------|--------------|------------|------------|--------------|------------|------------|--------------|------------|------------|
| | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI |
| THORNBURG(12KV) - Customers: 1,825 | 139.4 | 1.3 | 0.0 | 5.3 | 0.0 | 1.0 | 184.3 | 0.8 | 3.0 | 0.0 | 0.0 | 0.0 | 29.8 | 0.3 | 1.7 | 62.2 | 1.0 | 0.0 | 38.1 | 0.7 | 0.3 | 130.1 | 2.1 | 2.0 |
| 3rd Party | 84% | 74% | 0% | 0% | 0% | 0% | 21% | 6% | 34% | 0% | 0% | 0% | 100% | 100% | 100% | 93% | 96% | 0% | 100% | 100% | 100% | 97% | 98% | 100% |
| Equipment Failure | 9% | 2% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Operation | 6% | 21% | 0% | 100% | 100% | 0% | 5% | 7% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 7% | 4% | 0% | 0% | 0% | 0% | 3% | 2% | 0% |
| Other | 2% | 3% | 0% | 0% | 0% | 100% | 0% | 0% | 34% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Vegetation/Animal | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Weather/Fire/Earthquake | 0% | 0% | 0% | 0% | 0% | 0% | 74% | 87% | 33% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| THUNDERBOLT(12KV) - Customers: 1,825 | 149.8 | 0.6 | 0.0 | 116.9 | 0.7 | 1.5 | 2.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3rd Party | 0% | 0% | 0% | 63% | 66% | 100% | 93% | 98% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Equipment Failure | 4% | 2% | 0% | 26% | 25% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Operation | 96% | 98% | 0% | 11% | 8% | 0% | 7% | 2% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Other | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Vegetation/Animal | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Weather/Fire/Earthquake | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| TIERRA BONITA(12KV) - Customers: 18 | 0.0 | 0.0 | 1.0 | 33.0 | 1.0 | 3.0 | 197.0 | 0.4 | 1.2 | 164.8 | 1.0 | 0.0 | 0.0 | 0.0 | 2.0 | 0.0 | 0.0 | 0.0 | 133.3 | 0.2 | 1.0 | 298.1 | 1.1 | 3.0 |
| 3rd Party | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 100% | 100% | 100% | 45% | 15% | 34% |
| Equipment Failure | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Operation | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Other | 0% | 0% | 0% | 0% | 0% | 100% | 0% | 0% | 100% | 100% | 100% | 0% | 0% | 0% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 55% | 85% | 66% |
| Vegetation/Animal | 0% | 0% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Weather/Fire/Earthquake | 0% | 0% | 0% | 100% | 100% | 0% | 100% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| TITAN(12KV) - Customers: 1,500 | 3.9 | 0.0 | 4.0 | 81.3 | 1.4 | 1.3 | 7.2 | 0.0 | 4.1 | 155.7 | 2.2 | 4.5 | 7.4 | 0.2 | 0.4 | 28.4 | 0.5 | 2.3 | 101.1 | 0.6 | 1.0 | 292.6 | 3.6 | 8.1 |
| 3rd Party | 0% | 0% | 30% | 59% | 29% | 62% | 0% | 0% | 15% | 48% | 62% | 22% | 84% | 96% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 27% | 45% | 17% |
| Equipment Failure | 0% | 0% | 0% | 0% | 0% | 0% | 48% | 35% | 0% | 0% | 0% | 0% | 13% | 3% | 0% | 6% | 1% | 0% | 0% | 0% | 0% | 1% | 0% | 0% |
| Operation | 58% | 88% | 5% | 0% | 0% | 0% | 6% | 11% | 0% | 1% | 1% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 1% | 5% | 30% | 1% | 1% | 4% |
| Other | 6% | 4% | 10% | 0% | 0% | 38% | 34% | 50% | 61% | 42% | 27% | 52% | 0% | 0% | 0% | 19% | 19% | 87% | 99% | 94% | 70% | 58% | 36% | 61% |
| Vegetation/Animal | 0% | 0% | 15% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Weather/Fire/Earthquake | 36% | 8% | 40% | 41% | 71% | 0% | 13% | 4% | 24% | 10% | 10% | 26% | 3% | 1% | 0% | 75% | 79% | 13% | 0% | 0% | 0% | 12% | 17% | 18% |

Reliability Histories for Individual Circuits Serving Palmdale

| | 2013 | | | 2014 | | | 2015 | | | 1st Qtr 2016 | | | 2nd Qtr 2016 | | | 3rd Qtr 2016 | | | 4th Qtr 2016 | | | 2016 | | |
|--|--------------|------------|------------|-------------|------------|------------|--------------|------------|------------|--------------|------------|------------|--------------|------------|------------|--------------|------------|------------|--------------|------------|------------|-------------|------------|------------|
| | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI |
| TOMCAT(12KV) - Customers: 2,238 | 0.0 | 0.0 | 0.0 | 9.1 | 0.1 | 0.0 | 69.4 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3rd Party | 0% | 0% | 0% | 0% | 0% | 0% | 88% | 95% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Equipment Failure | 0% | 0% | 0% | 55% | 36% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Operation | 0% | 0% | 0% | 45% | 64% | 0% | 12% | 5% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Other | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Vegetation/Animal | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Weather/Fire/Earthquake | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| TWAIN(12KV) - Customers: 1,735 | 18.1 | 0.1 | 0.0 | 69.8 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17.1 | 0.1 | 0.0 | 1.1 | 0.0 | 0.0 | 18.5 | 0.1 | 0.0 |
| 3rd Party | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Equipment Failure | 53% | 20% | 0% | 100% | 99% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 17% | 50% | 0% | 1% | 1% | 0% |
| Operation | 47% | 80% | 0% | 0% | 1% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Other | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 100% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 83% | 50% | 0% | 6% | 5% | 0% |
| Vegetation/Animal | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 100% | 100% | 0% | 0% | 0% | 0% | 93% | 94% | 0% |
| Weather/Fire/Earthquake | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| VADAR(12KV) - Customers: 935 | 285.8 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 839.7 | 4.5 | 4.5 | 0.0 | 0.0 | 0.0 | 52.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 52.0 | 0.1 | 0.0 |
| 3rd Party | 74% | 90% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Equipment Failure | 24% | 7% | 0% | 0% | 0% | 0% | 94% | 67% | 56% | 0% | 0% | 0% | 100% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 100% | 100% | 0% |
| Operation | 1% | 1% | 0% | 0% | 0% | 0% | 3% | 11% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Other | 0% | 0% | 0% | 0% | 0% | 0% | 2% | 22% | 22% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Vegetation/Animal | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 22% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Weather/Fire/Earthquake | 1% | 2% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| WHIP(12KV) - Customers: 1,770 | 2.2 | 0.0 | 1.0 | 0.2 | 0.0 | 0.0 | 10.1 | 0.1 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 72.4 | 1.0 | 0.0 | 72.4 | 1.0 | 1.0 |
| 3rd Party | 9% | 11% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Equipment Failure | 91% | 89% | 0% | 0% | 0% | 0% | 52% | 66% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 100% | 100% | 0% | 100% | 100% | 0% |
| Operation | 0% | 0% | 0% | 0% | 0% | 0% | 48% | 34% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 100% | 0% | 0% | 0% | 0% | 0% | 100% |
| Other | 0% | 0% | 0% | 100% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Vegetation/Animal | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Weather/Fire/Earthquake | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |

Reliability Histories for Individual Circuits Serving Palmdale

| | 2013 | | | 2014 | | | 2015 | | | 1st Qtr 2016 | | | 2nd Qtr 2016 | | | 3rd Qtr 2016 | | | 4th Qtr 2016 | | | 2016 | | |
|--------------------------------------|------------|------------|------------|------------|------------|------------|-------------|------------|------------|--------------|------------|------------|--------------|------------|------------|--------------|------------|------------|--------------|------------|------------|------------|------------|------------|
| | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI | SAIDI | SAIFI | MAIFI |
| WOOKIE(12KV) - Customers: 416 | 6.7 | 0.1 | 1.0 | 1.4 | 0.0 | 0.0 | 14.9 | 0.1 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3rd Party | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Equipment Failure | 24% | 38% | 0% | 100% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Operation | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Other | 76% | 63% | 100% | 0% | 0% | 0% | 99% | 93% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Vegetation/Animal | 0% | 0% | 0% | 0% | 0% | 0% | 1% | 7% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Weather/Fire/Earthquake | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| YODA(12KV) - Customers: 799 | 0.8 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 1.0 |
| 3rd Party | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 100% | 0% | 0% | 100% |
| Equipment Failure | 0% | 0% | 0% | 0% | 0% | 0% | 100% | 100% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Operation | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Other | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Vegetation/Animal | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 50% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Weather/Fire/Earthquake | 100% | 100% | 100% | 0% | 0% | 0% | 0% | 0% | 50% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |