



# Circuit Reliability Review

## **Santa Clarita**

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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 Valencia District

Los Angeles

Piru

San Fernando

**Santa Clarita**

Val Verde

# 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
<b>SCE SystemWide</b>	<b>108.13</b>		<b>0.89</b>		<b>102.61</b>		<b>0.91</b>		<b>112.00</b>		<b>0.96</b>		<b>114.83</b>		<b>0.92</b>		<b>134.48</b>		<b>1.10</b>	

\*\*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.

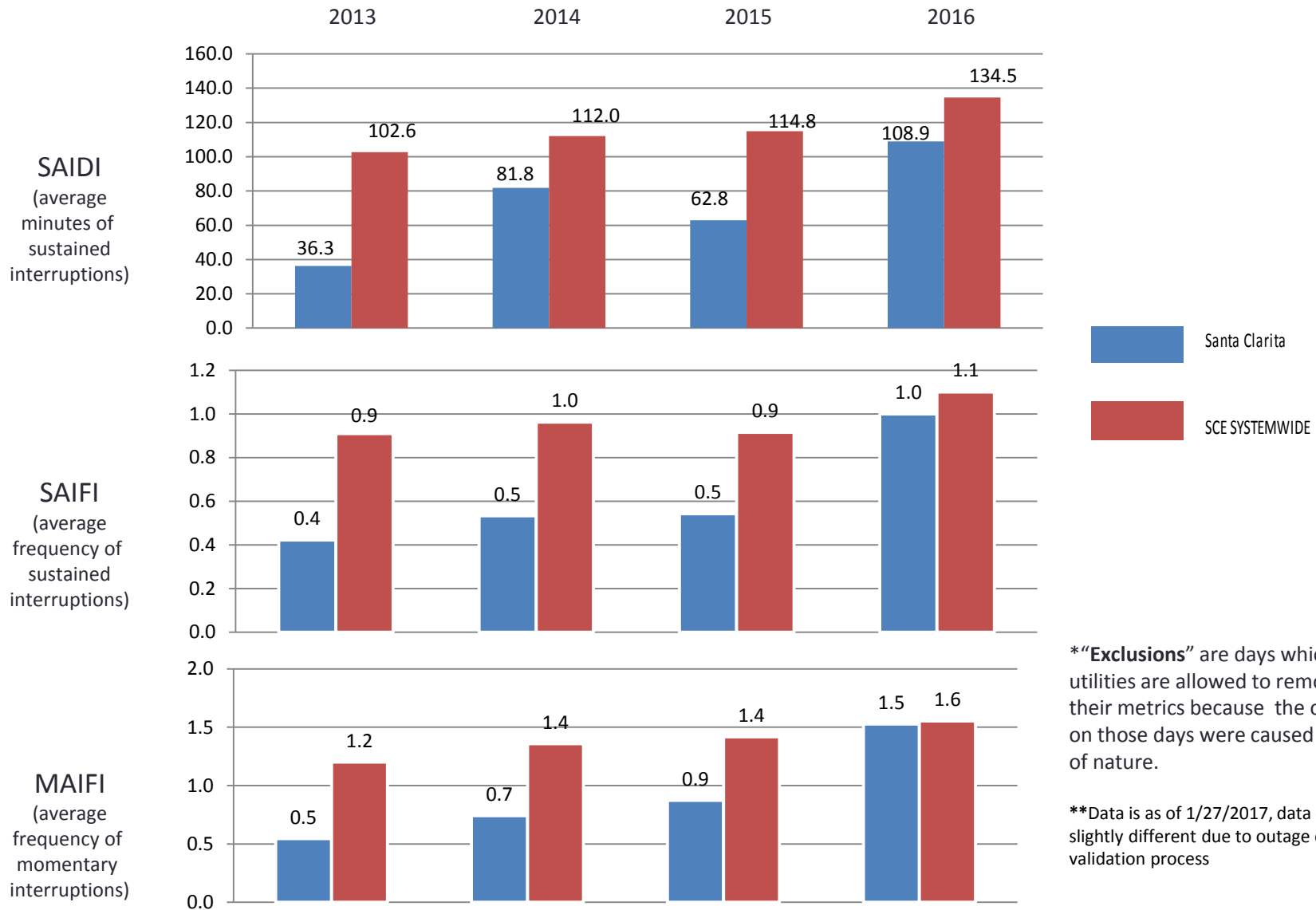
\*\*In the columns showing "Rank," lower numbers indicate poorer performance.

# Overview of Santa Clarita

## There are 54 circuits that serve Santa Clarita

Circuit Type	Sum of Customers	Circuit Type	Sum of Customers	Circuit Type	Sum of Customers	Circuit Type	Sum of Customers
ANACONDA(16KV)	1,691	MCBEAN(16KV)	2,886				
ARLENE(16KV)	1,514	MENTRY(16KV)	2,315				
BERMITE(16KV)	664	MINT CANYON(16KV)	1,211				
BLACKBIRD(16KV)	1,464	MOCCASIN(16KV)	1,425				
BOA(16KV)	1,683	MORRIE(16KV)	283				
BOUQUET(16KV)	740	NEARGATE(16KV)	1,629				
CAESAR(16KV)	1,972	NERO(16KV)	2,069				
CALGROVE(16KV)	1,897	NIGHTHAWK(16KV)	344				
CENTURION(16KV)	2,149	ORION(16KV)	3,153				
CHARIOT(16KV)	2,621	PLACERITA(16KV)	1,370				
COBRA(16KV)	1,740	POWELL(16KV)	2,243				
CONSTANTINE(16KV)	2,078	PYTHON(16KV)	1,443				
COPPERHEAD(16KV)	806	RACER(16KV)	722				
COTTONMOUTH(16KV)	3,388	RATTLER(16KV)	3,083				
CRABTREE(16KV)	1,528	RINER(16KV)	1,176				
CROSS(16KV)	1,329	ROMANUS(16KV)	2,111				
DEWITT(16KV)	1,185	SAND CANYON(16KV)	2,307				
DIAMONDBACK(16KV)	2,123	STARFIGHTER(16KV)	3,539				
DRY CANYON(16KV)	1,712	TIPS(16KV)	638				
ELECTRA(16KV)	280	TOGA(16KV)	2,121				
GAVIN(16KV)	1,202	VAL VERDE(16KV)	127				
GUITAR(16KV)	243	VASQUEZ(16KV)	2,223				
HILLFIELD(16KV)	2,058	WILDWOOD(16KV)	2,181				
JBSHERMAN(16KV)	2,721	WILEY(16KV)	2,486				
JULIUS(16KV)	3,067						
LYONS(16KV)	3,598						
MAGIC(16KV)	168						
MAMBA(16KV)	2,146						
MARCUS(16KV)	1,403						
MAXIMUS(16KV)	2,706						
<b>Grand Total</b>	<b>94,961</b>						

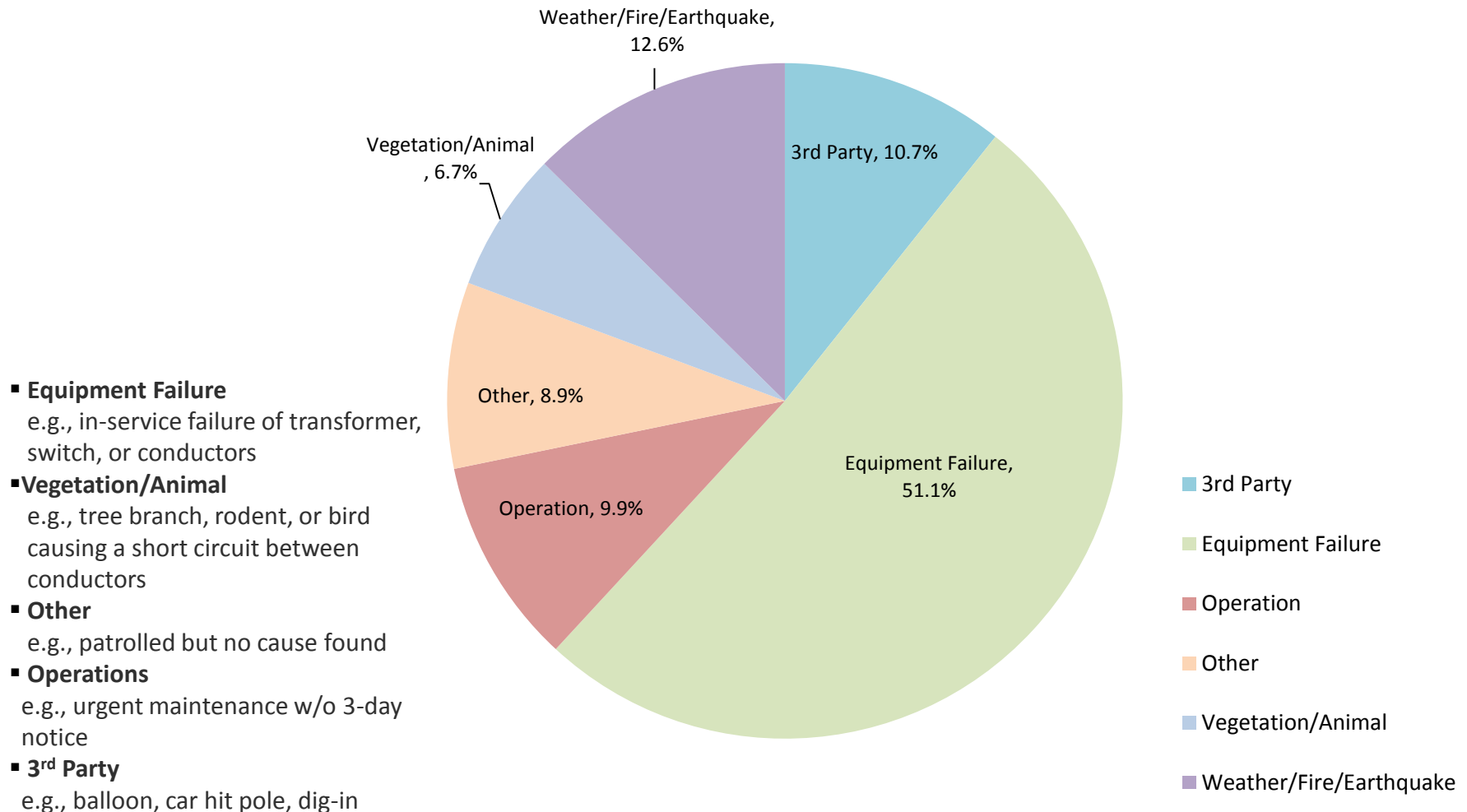
# Reliability History of Circuits Serving Santa Clarita (No Exclusions)





# Causes of Repair Outages in Santa Clarita Circuits 2016 YTD

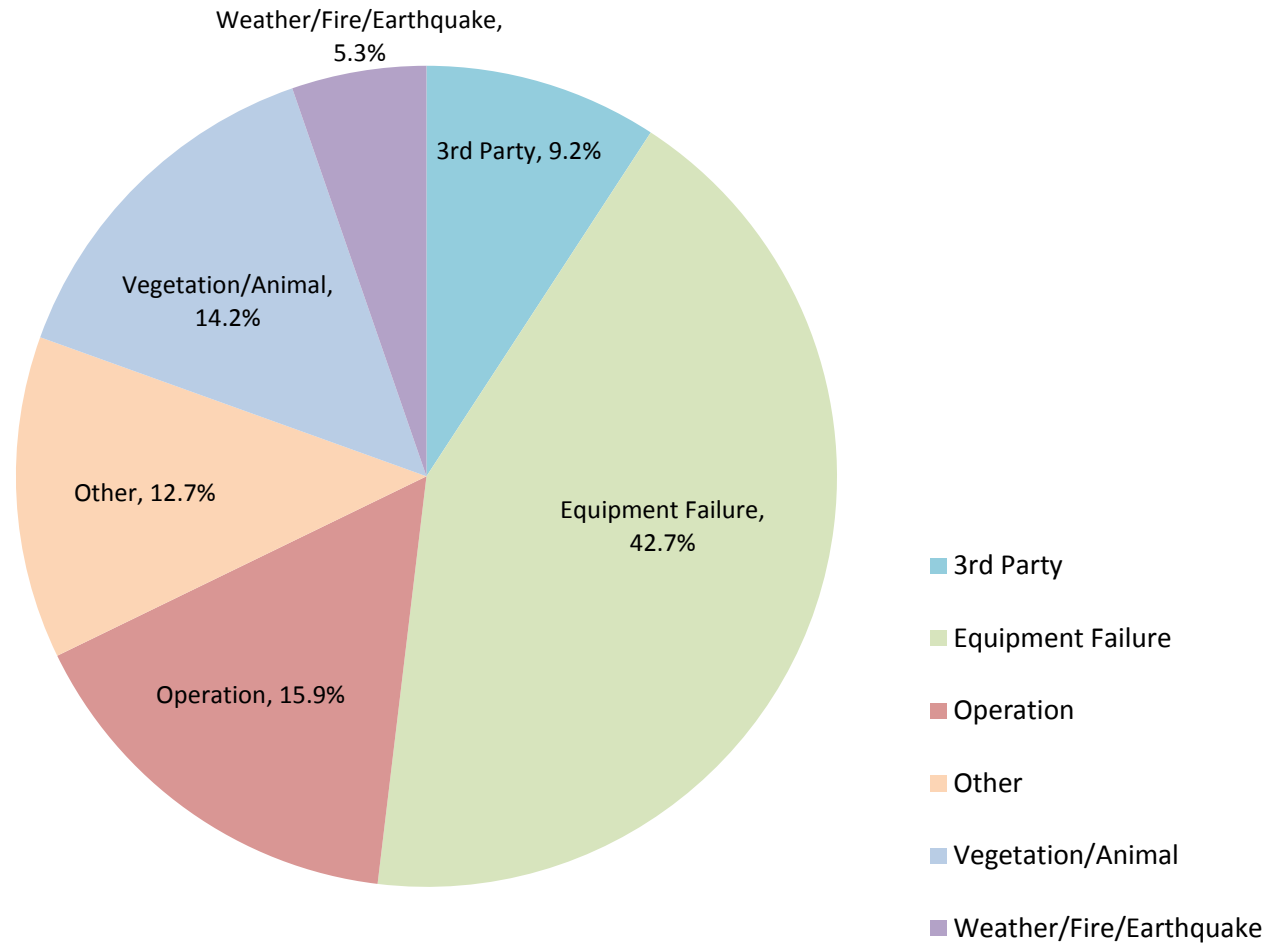
## Contributions to SAIDI by Outage Cause



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

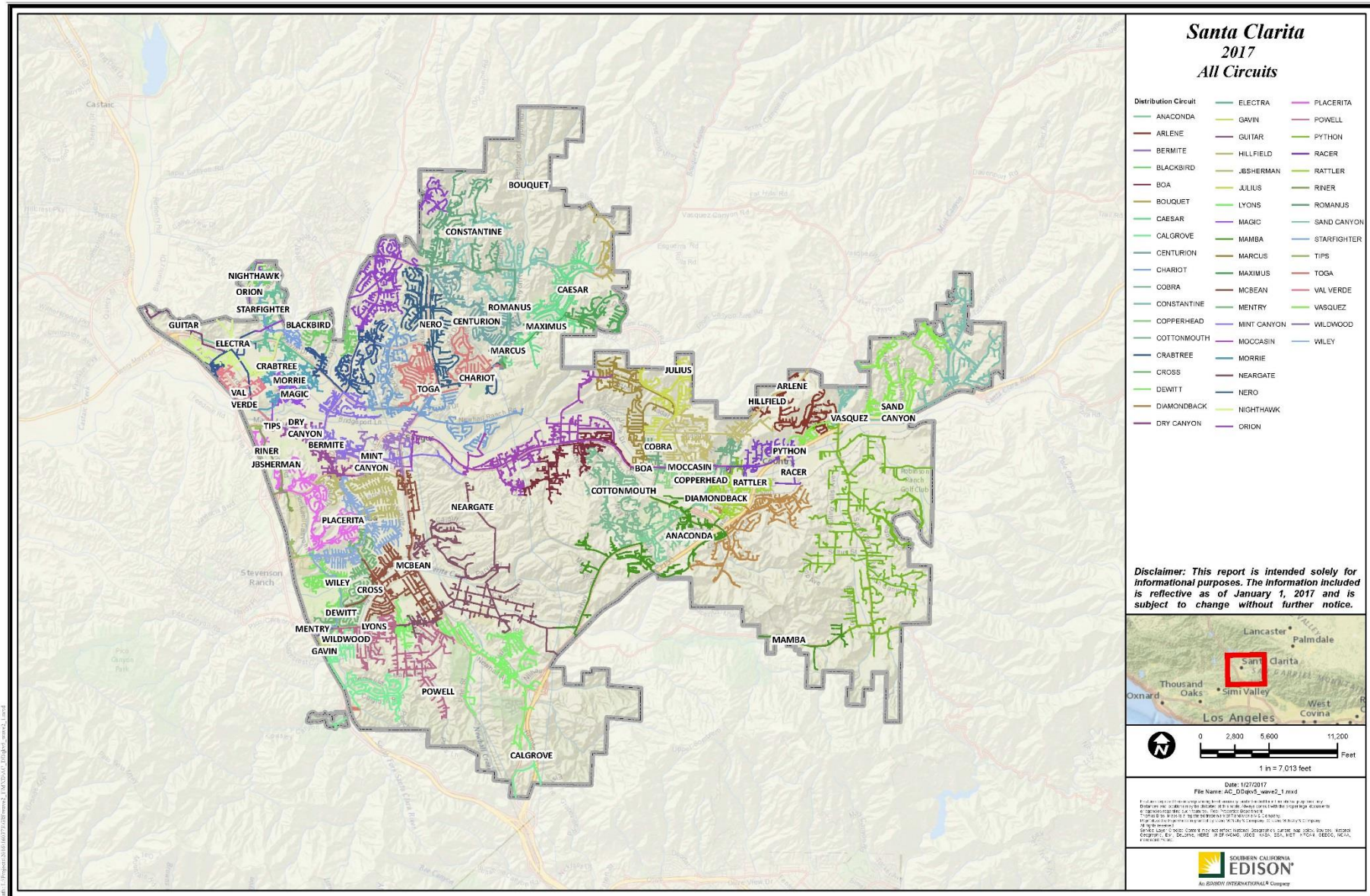
# Causes of Repair Outages in Santa Clarita Circuits 2016 YTD

## Contributions to SAIFI by Outage Cause

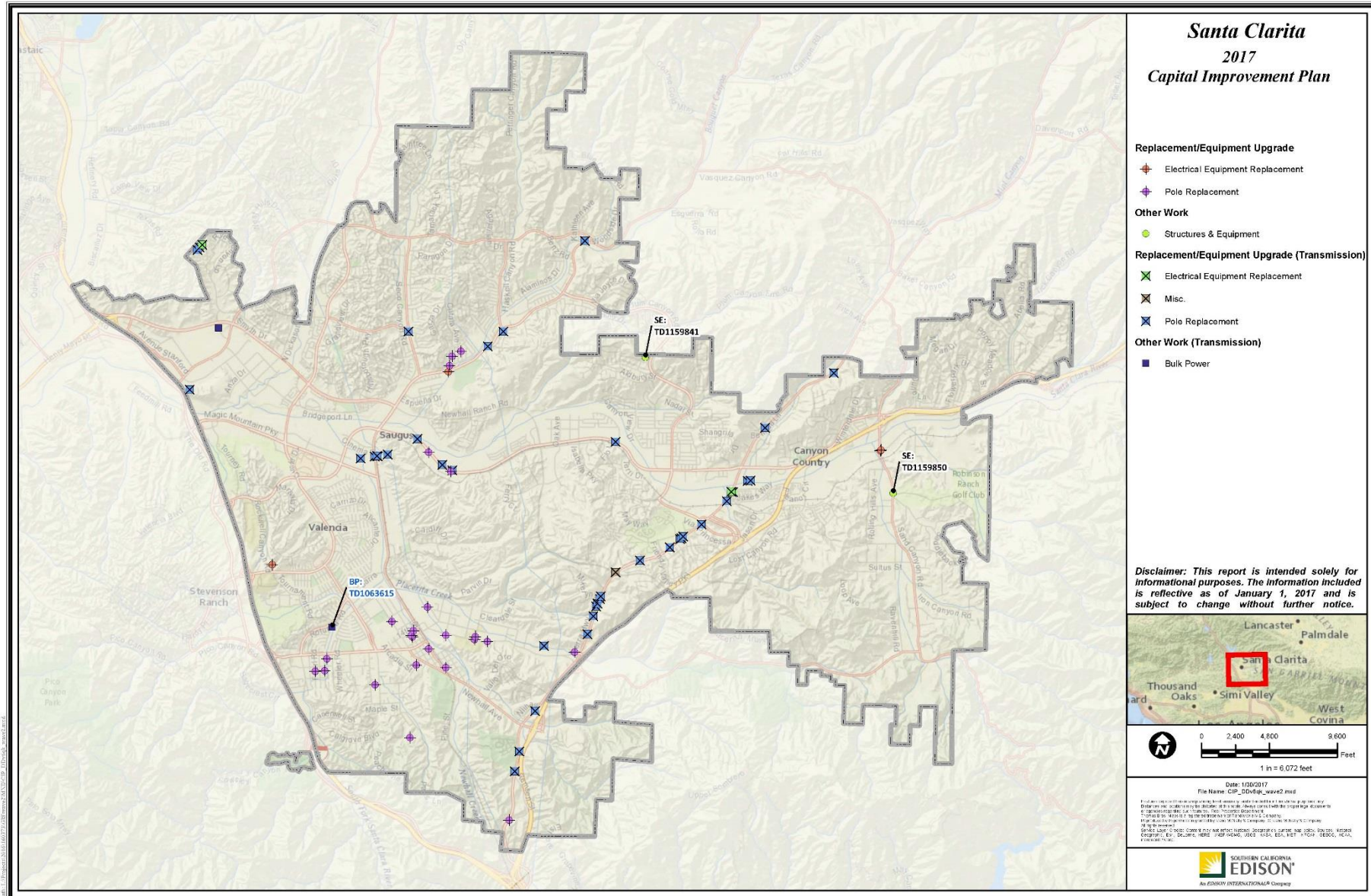


- **Equipment Failure**  
e.g., in-service failure of transformer, switch, or conductors
- **Vegetation/Animal**  
e.g., tree branch, rodent, or bird causing a short circuit between conductors
- **Other**  
e.g., patrolled but no cause found
- **Operations**  
e.g., urgent maintenance w/o 3-day notice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

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







# Back-up Slides

**Reliability Histories of Circuits Serving Santa Clarita**

**Updated through Year-End 2016**

# Average Reliability of 54 Circuits Serving Santa Clarita

	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
<b>Santa Clarita</b>	<b>36.3</b>	<b>0.4</b>	<b>0.5</b>	<b>81.8</b>	<b>0.5</b>	<b>0.7</b>	<b>62.8</b>	<b>0.5</b>	<b>0.9</b>	<b>26.7</b>	<b>0.2</b>	<b>0.2</b>	<b>28.2</b>	<b>0.4</b>	<b>0.6</b>	<b>38.8</b>	<b>0.3</b>	<b>0.5</b>	<b>15.2</b>	<b>0.2</b>	<b>0.2</b>	<b>108.9</b>	<b>1.0</b>	<b>1.5</b>
3rd Party	18%	12%	4%	1%	1%	14%	10%	9%	10%	11%	2%	10%	4%	6%	4%	12%	16%	0%	20%	14%	1%	11%	9%	3%
Equipment Failure	54%	29%	19%	72%	67%	23%	63%	65%	37%	45%	61%	15%	66%	27%	3%	35%	33%	4%	76%	80%	22%	51%	43%	8%
Operation	18%	53%	23%	4%	7%	5%	9%	6%	7%	4%	5%	2%	9%	23%	7%	17%	18%	9%	3%	7%	0%	10%	16%	6%
Other	9%	6%	16%	0%	0%	14%	6%	7%	17%	1%	0%	6%	13%	15%	19%	14%	25%	0%	1%	0%	31%	9%	13%	13%
Vegetation/Animal	1%	0%	36%	4%	5%	37%	2%	5%	14%	17%	15%	40%	3%	23%	67%	5%	8%	87%	0%	0%	46%	7%	14%	68%
Weather/Fire/Earthquake	0%	0%	3%	20%	20%	6%	11%	7%	15%	22%	16%	27%	4%	6%	0%	17%	1%	0%	0%	0%	0%	13%	5%	3%
<b>SCE Systemwide</b>	<b>102.6</b>	<b>0.9</b>	<b>1.2</b>	<b>112.0</b>	<b>1.0</b>	<b>1.4</b>	<b>114.8</b>	<b>0.9</b>	<b>1.4</b>	<b>40.5</b>	<b>0.3</b>	<b>0.4</b>	<b>34.8</b>	<b>0.3</b>	<b>0.4</b>	<b>29.4</b>	<b>0.2</b>	<b>0.3</b>	<b>29.8</b>	<b>0.3</b>	<b>0.4</b>	<b>134.5</b>	<b>1.1</b>	<b>1.6</b>

## 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

3<sup>rd</sup> 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 Santa Clarita

	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
<b>ANACONDA(16KV) - Customers: 1,691</b>	<b>85.6</b>	<b>1.1</b>	<b>2.6</b>	<b>15.3</b>	<b>0.0</b>	<b>1.0</b>	<b>6.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>21.5</b>	<b>0.1</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>21.5</b>	<b>0.1</b>	<b>1.0</b>
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%	61%	100%	100%	100%	100%	100%	0%	0%	0%	0%	100%	100%	0%	0%	0%	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%	39%	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%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100%
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%
<b>ARLENE(16KV) - Customers: 1,514</b>	<b>27.7</b>	<b>0.2</b>	<b>0.0</b>	<b>46.9</b>	<b>0.3</b>	<b>0.1</b>	<b>61.2</b>	<b>0.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>9.2</b>	<b>0.1</b>	<b>2.0</b>	<b>7.1</b>	<b>0.0</b>	<b>1.0</b>	<b>17.8</b>	<b>0.6</b>	<b>1.0</b>	<b>34.0</b>	<b>0.7</b>	<b>4.0</b>
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%	17%	12%	41%	100%	100%	100%	0%	0%	0%	88%	85%	0%	4%	7%	0%	0%	0%	0%	25%	7%	0%
Operation	0%	0%	0%	82%	87%	59%	0%	0%	0%	0%	0%	0%	12%	15%	0%	96%	93%	0%	100%	100%	0%	75%	93%	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%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%
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%
<b>BERMITE(16KV) - Customers: 664</b>	<b>2.9</b>	<b>0.0</b>	<b>0.0</b>	<b>17.1</b>	<b>0.0</b>	<b>0.0</b>	<b>9.2</b>	<b>0.1</b>	<b>2.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>6.7</b>	<b>0.4</b>	<b>0.0</b>	<b>87.8</b>	<b>1.4</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>94.5</b>	<b>1.7</b>	<b>1.0</b>
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%	0%	73%	42%	50%	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	100%	100%	0%	0%	0%	0%	27%	58%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	93%	79%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	0%	0%	100%	100%	0%	0%	0%	100%	0%	0%	0%	7%	21%	100%
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%
<b>BLACKBIRD(16KV) - Customers: 1,464</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>6.7</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1.0</b>	<b>18.3</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>18.3</b>	<b>0.1</b>	<b>1.0</b>
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%	0%	0%	0%	100%	100%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	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%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%
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 Santa Clarita

	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
<b>BOA(16KV) - Customers: 1,683</b>	<b>167.6</b>	<b>1.0</b>	<b>0.0</b>	<b>17.9</b>	<b>0.1</b>	<b>0.0</b>	<b>2.4</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>19.4</b>	<b>0.1</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>19.4</b>	<b>0.1</b>	<b>1.0</b>
3rd Party	100%	100%	0%	96%	43%	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%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%
Operation	0%	0%	0%	4%	57%	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%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100%
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%
<b>BOUQUET(16KV) - Customers: 740</b>	<b>52.3</b>	<b>0.2</b>	<b>0.1</b>	<b>108.9</b>	<b>1.3</b>	<b>3.0</b>	<b>30.8</b>	<b>0.8</b>	<b>1.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>57.6</b>	<b>0.5</b>	<b>2.7</b>	<b>181.9</b>	<b>1.1</b>	<b>1.1</b>	<b>27.7</b>	<b>0.5</b>	<b>1.6</b>	<b>267.2</b>	<b>2.1</b>	<b>5.4</b>
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	68%	52%	0%
Equipment Failure	15%	19%	0%	27%	8%	1%	7%	1%	71%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	35%	10%	24%	11%
Operation	30%	41%	0%	0%	0%	0%	85%	97%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	23%	20%	100%	5%	4%	0%	0%	0%	9%	0%	0%	0%	100%	100%	21%	0%	0%	0%	0%	0%	0%	22%	24%	11%
Vegetation/Animal	0%	1%	0%	0%	0%	66%	0%	0%	0%	0%	0%	0%	0%	0%	79%	0%	0%	100%	0%	0%	65%	0%	0%	79%
Weather/Fire/Earthquake	32%	20%	0%	68%	89%	33%	8%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
<b>CAESAR(16KV) - Customers: 1,972</b>	<b>44.8</b>	<b>0.9</b>	<b>0.3</b>	<b>142.3</b>	<b>0.8</b>	<b>1.6</b>	<b>75.8</b>	<b>0.7</b>	<b>0.3</b>	<b>32.7</b>	<b>0.0</b>	<b>0.0</b>	<b>21.0</b>	<b>0.1</b>	<b>0.0</b>	<b>6.3</b>	<b>0.0</b>	<b>0.0</b>	<b>61.8</b>	<b>1.4</b>	<b>0.4</b>	<b>121.8</b>	<b>1.6</b>	<b>0.4</b>
3rd Party	0%	0%	0%	1%	2%	63%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	81%	11%	3%	99%	98%	37%	0%	0%	0%	56%	35%	0%	89%	84%	0%	100%	100%	0%	100%	100%	100%	86%	97%	100%
Operation	19%	89%	97%	0%	0%	0%	0%	0%	0%	0%	0%	0%	11%	16%	0%	0%	0%	0%	0%	0%	0%	2%	1%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	44%	65%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	12%	2%	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%
<b>CALGROVE(16KV) - Customers: 1,897</b>	<b>269.2</b>	<b>3.2</b>	<b>1.1</b>	<b>94.7</b>	<b>1.4</b>	<b>1.0</b>	<b>111.8</b>	<b>0.5</b>	<b>3.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>7.8</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>7.8</b>	<b>0.1</b>	<b>1.0</b>
3rd Party	10%	4%	0%	0%	0%	0%	6%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	50%	32%	2%	6%	1%	0%	55%	10%	0%	0%	0%	0%	81%	98%	100%	0%	0%	0%	0%	0%	0%	81%	98%	1%
Operation	3%	32%	96%	7%	30%	4%	18%	30%	31%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	36%	32%	3%	0%	0%	1%	22%	58%	69%	0%	0%	0%	19%	2%	0%	0%	0%	0%	0%	0%	0%	19%	2%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	95%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	99%
Weather/Fire/Earthquake	0%	0%	0%	87%	69%	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 Santa Clarita

	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
<b>CENTURION(16KV) - Customers: 2,149</b>	<b>42.7</b>	<b>0.2</b>	<b>0.0</b>	<b>118.0</b>	<b>0.5</b>	<b>0.5</b>	<b>111.7</b>	<b>0.5</b>	<b>1.7</b>	<b>26.7</b>	<b>0.1</b>	<b>0.0</b>	<b>17.6</b>	<b>1.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>44.3</b>	<b>1.6</b>	<b>0.0</b>
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	48%	23%	0%	99%	96%	100%	94%	93%	100%	100%	100%	100%	32%	3%	0%	0%	0%	0%	0%	0%	0%	73%	6%	100%
Operation	52%	77%	0%	1%	4%	0%	6%	7%	0%	0%	0%	0%	68%	97%	0%	0%	0%	0%	0%	0%	0%	27%	94%	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%
<b>CHARIOT(16KV) - Customers: 2,621</b>	<b>15.2</b>	<b>0.1</b>	<b>0.0</b>	<b>182.8</b>	<b>1.8</b>	<b>1.0</b>	<b>7.2</b>	<b>0.1</b>	<b>1.1</b>	<b>121.4</b>	<b>0.4</b>	<b>0.7</b>	<b>12.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>133.6</b>	<b>0.4</b>	<b>0.7</b>
3rd Party	0%	0%	0%	0%	0%	0%	85%	92%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	100%	100%	0%	100%	100%	100%	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%	15%	8%	5%	0%	0%	0%	100%	100%	100%	0%	0%	0%	0%	0%	0%	9%	11%	6%
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%	95%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	91%	89%	94%
<b>COBRA(16KV) - Customers: 1,740</b>	<b>31.7</b>	<b>1.1</b>	<b>0.8</b>	<b>2.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>3.7</b>	<b>0.2</b>	<b>1.8</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>3.7</b>	<b>0.2</b>	<b>1.8</b>
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	61%	89%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	39%	11%	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%	100%	100%	44%	0%	0%	0%	0%	0%	0%	100%	100%	44%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	56%	0%	0%	0%	0%	0%	0%	0%	0%	56%
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%
<b>CONSTANTINE(16KV) - Customers: 2,078</b>	<b>7.8</b>	<b>0.0</b>	<b>0.1</b>	<b>18.0</b>	<b>0.1</b>	<b>0.0</b>	<b>15.5</b>	<b>0.1</b>	<b>0.0</b>	<b>13.5</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>6.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>19.6</b>	<b>0.1</b>	<b>0.0</b>
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%	97%	78%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	69%	57%	0%
Operation	100%	100%	100%	3%	22%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	31%	43%	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 Santa Clarita

	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
COPPERHEAD(16KV) - Customers: 806	138.3	1.1	2.4	656.4	3.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	35.4	0.6	1.6	0.0	0.0	0.0	365.5	1.0	0.0	401.0	1.6	1.6
3rd Party	0%	0%	41%	1%	2%	45%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Equipment Failure	95%	98%	18%	90%	66%	55%	0%	0%	0%	0%	0%	0%	82%	29%	0%	0%	0%	0%	100%	100%	0%	98%	74%	0%
Operation	5%	2%	0%	1%	9%	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%	18%	71%	37%	0%	0%	0%	0%	0%	0%	2%	26%	37%
Vegetation/Animal	0%	0%	41%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	63%	0%	0%	0%	0%	0%	0%	0%	0%	63%
Weather/Fire/Earthquake	0%	0%	0%	8%	23%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
COTTONMOUTH(16KV) - Customers: 3,388	4.4	0.0	0.0	190.5	1.1	0.0	23.0	0.1	0.0	2.6	0.2	0.0	143.1	0.6	1.5	35.1	0.1	0.0	6.6	0.1	0.0	187.4	0.9	1.5
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%	
Equipment Failure	0%	0%	0%	99%	99%	0%	37%	39%	0%	100%	100%	0%	99%	97%	33%	83%	62%	100%	84%	70%	0%	95%	93%	33%
Operation	100%	100%	0%	1%	1%	0%	63%	61%	0%	0%	0%	0%	0%	0%	0%	17%	38%	0%	16%	30%	0%	4%	5%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	3%	0%	0%	0%	0%	0%	0%	0%	1%	2%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	67%	0%	0%	0%	0%	0%	0%	0%	0%	67%
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%
CRABTREE(16KV) - Customers: 1,528	3.2	0.0	0.0	1.4	0.0	2.0	17.6	0.1	1.0	0.4	0.0	1.0	24.6	1.1	0.0	95.7	1.0	1.0	151.0	1.0	0.0	271.7	3.1	2.0
3rd Party	0%	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%	56%	86%	0%	0%	0%	0%	100%	100%	0%	61%	63%	0%
Equipment Failure	0%	0%	0%	100%	100%	0%	0%	0%	0%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%
Operation	100%	100%	100%	0%	0%	0%	100%	100%	0%	0%	0%	0%	40%	5%	0%	0%	0%	0%	0%	0%	0%	4%	2%	0%
Other	0%	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	35%	32%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	3%	9%	0%	0%	0%	100%	0%	0%	0%	0%	3%	50%
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%
CROSS(16KV) - Customers: 1,329	279.1	1.4	0.7	32.0	0.1	1.0	38.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.1	1.0	0.0	0.0	0.0	6.0	0.1	1.0
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	92%	88%	100%	100%	100%	3%	99%	86%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	100%	100%	0%
Operation	8%	12%	0%	0%	0%	0%	1%	14%	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%	97%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100%
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 Santa Clarita

	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
<b>DEWITT(16KV) - Customers: 1,185</b>	<b>12.5</b>	<b>0.1</b>	<b>0.0</b>	<b>15.9</b>	<b>0.1</b>	<b>1.0</b>	<b>90.3</b>	<b>1.3</b>	<b>0.6</b>	<b>116.2</b>	<b>0.3</b>	<b>0.0</b>	<b>2.0</b>	<b>0.0</b>	<b>0.0</b>	<b>10.6</b>	<b>0.0</b>	<b>0.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>128.8</b>	<b>0.4</b>	<b>0.9</b>
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%	99%	92%	0%	99%	96%	100%	100%	100%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	98%	95%	0%
Operation	0%	0%	0%	1%	8%	0%	1%	4%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	2%	5%	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%	100%	0%	0%	0%	0%	0%	100%
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%
<b>DIAMONDBACK(16KV) - Customers: 2,123</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>10.2</b>	<b>0.1</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>10.2</b>	<b>0.1</b>	<b>1.0</b>
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%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	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%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100%
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%
<b>DRY CANYON(16KV) - Customers: 1,712</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>288.8</b>	<b>1.9</b>	<b>0.1</b>	<b>0.3</b>	<b>0.0</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>29.4</b>	<b>1.1</b>	<b>0.0</b>	<b>115.4</b>	<b>1.0</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>144.8</b>	<b>2.1</b>	<b>1.0</b>
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%	0%	0%	0%	0%	73%	8%	0%	0%	0%	0%	0%	0%	0%	15%	4%	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%	100%	100%	0%	0%	0%	0%	80%	47%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	27%	92%	0%	0%	0%	100%	0%	0%	0%	6%	49%	100%
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%
<b>ELECTRA(16KV) - Customers: 280</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>41.8</b>	<b>0.3</b>	<b>1.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1.0</b>
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%	62%	50%	49%	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%	38%	50%	51%	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%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%
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 Santa Clarita

	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
<b>GAVIN(16KV) - Customers: 1,202</b>	<b>30.7</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1.0</b>	<b>21.0</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>32.7</b>	<b>0.1</b>	<b>0.0</b>	<b>14.3</b>	<b>0.1</b>	<b>1.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>47.0</b>	<b>0.2</b>	<b>1.1</b>
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%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	70%	57%	0%
Operation	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	30%	43%	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%	100%	0%	0%	0%	0%	0%	100%
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%
<b>GUITAR(16KV) - Customers: 243</b>	<b>0.0</b>	<b>0.0</b>	<b>2.0</b>	<b>213.6</b>	<b>3.1</b>	<b>2.4</b>	<b>193.9</b>	<b>2.3</b>	<b>8.5</b>	<b>24.9</b>	<b>0.3</b>	<b>2.0</b>	<b>5.6</b>	<b>0.0</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>1.0</b>	<b>8.7</b>	<b>0.0</b>	<b>0.0</b>	<b>39.2</b>	<b>0.3</b>	<b>3.1</b>
3rd Party	0%	0%	0%	23%	27%	6%	0%	0%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	31%	11%	42%	11%	2%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	5%	25%	0%	15%	6%	0%
Operation	0%	0%	0%	0%	1%	0%	2%	1%	0%	90%	39%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	57%	35%	0%
Other	0%	0%	50%	0%	0%	52%	13%	11%	96%	0%	0%	100%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	67%
Vegetation/Animal	0%	0%	50%	44%	60%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	95%	75%	0%	21%	4%	33%
Weather/Fire/Earthquake	0%	0%	0%	1%	0%	0%	74%	86%	0%	10%	61%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	6%	54%	0%
<b>HILLFIELD(16KV) - Customers: 2,058</b>	<b>0.2</b>	<b>0.0</b>	<b>1.7</b>	<b>3.8</b>	<b>0.0</b>	<b>0.0</b>	<b>59.6</b>	<b>1.0</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>3.0</b>	<b>5.2</b>	<b>0.0</b>	<b>1.0</b>	<b>1.4</b>	<b>0.0</b>	<b>1.0</b>	<b>6.6</b>	<b>0.0</b>	<b>5.0</b>
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%	4%	0%	0%	0%	0%	0%	0%	11%	14%	0%	100%	100%	0%	30%	24%	0%
Operation	0%	0%	0%	100%	100%	0%	0%	0%	96%	0%	0%	0%	0%	0%	0%	89%	86%	0%	0%	0%	0%	70%	76%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	0%	0%	0%	0%	0%	0%	0%	0%	20%
Vegetation/Animal	0%	0%	59%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	67%	0%	0%	100%	0%	0%	100%	0%	0%	80%
Weather/Fire/Earthquake	100%	100%	41%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
<b>JBSHERMAN(16KV) - Customers: 2,721</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>159.3</b>	<b>1.1</b>	<b>0.1</b>	<b>210.3</b>	<b>1.4</b>	<b>0.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>135.5</b>	<b>2.0</b>	<b>0.0</b>	<b>61.3</b>	<b>0.3</b>	<b>1.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>196.8</b>	<b>2.3</b>	<b>1.3</b>
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%	97%	91%	100%	63%	51%	67%	0%	0%	0%	94%	50%	0%	94%	95%	23%	0%	0%	0%	94%	57%	23%
Operation	0%	0%	0%	3%	9%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	6%	5%	0%	0%	0%	0%	2%	1%	0%
Other	0%	0%	0%	0%	0%	0%	37%	49%	33%	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%	6%	50%	0%	0%	0%	77%	0%	0%	0%	4%	43%	77%
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 Santa Clarita

	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
<b>JULIUS(16KV) - Customers: 3,067</b>	<b>39.0</b>	<b>0.5</b>	<b>1.0</b>	<b>10.3</b>	<b>0.0</b>	<b>1.0</b>	<b>28.7</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>4.5</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>4.5</b>	<b>0.1</b>	<b>0.0</b>
3rd Party	82%	95%	0%	0%	0%	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%	100%	100%	0%	0%	0%	0%	0%	0%	0%	10%	3%	0%	0%	0%	0%	10%	3%	0%
Operation	18%	5%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	90%	97%	0%	0%	0%	0%	90%	97%	0%
Other	0%	0%	100%	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%
<b>LYONS(16KV) - Customers: 3,598</b>	<b>1.9</b>	<b>0.0</b>	<b>0.2</b>	<b>0.7</b>	<b>0.0</b>	<b>2.0</b>	<b>10.2</b>	<b>0.1</b>	<b>2.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>25.6</b>	<b>1.0</b>	<b>1.0</b>	<b>0.4</b>	<b>0.0</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>25.9</b>	<b>1.1</b>	<b>2.0</b>
3rd Party	0%	0%	0%	0%	0%	50%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	100%	100%	0%	14%	11%	0%	0%	0%	0%	48%	5%	0%	100%	100%	0%	0%	0%	0%	49%	5%	0%
Operation	100%	100%	100%	0%	0%	0%	79%	87%	0%	0%	0%	0%	52%	95%	100%	0%	0%	0%	0%	0%	0%	51%	95%	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%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	50%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	7%	2%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
<b>MAGIC(16KV) - Customers: 168</b>	<b>18.6</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>5.4</b>	<b>0.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2.0</b>	<b>8.1</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1.0</b>	<b>278.6</b>	<b>1.0</b>	<b>0.0</b>	<b>286.7</b>	<b>2.0</b>	<b>3.0</b>
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%	50%	0%	0%	0%	0%	0%	0%	100%	100%	0%	97%	51%	33%
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%	100%	100%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	100%	0%	0%	0%	3%	49%	34%
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%
<b>MAMBA(16KV) - Customers: 2,146</b>	<b>11.5</b>	<b>0.0</b>	<b>0.0</b>	<b>73.5</b>	<b>1.0</b>	<b>2.1</b>	<b>5.8</b>	<b>0.0</b>	<b>1.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>12.6</b>	<b>0.8</b>	<b>1.4</b>	<b>47.3</b>	<b>1.2</b>	<b>0.0</b>	<b>76.1</b>	<b>1.4</b>	<b>0.6</b>	<b>136.0</b>	<b>3.4</b>	<b>2.0</b>
3rd Party	0%	0%	0%	0%	0%	0%	90%	95%	0%	0%	0%	0%	0%	0%	0%	2%	3%	0%	0%	0%	0%	1%	1%	0%
Equipment Failure	11%	8%	0%	92%	96%	0%	10%	5%	0%	0%	0%	0%	0%	0%	0%	79%	94%	0%	89%	100%	100%	77%	74%	31%
Operation	0%	0%	0%	0%	0%	98%	0%	0%	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%	100%	0%	0%	0%	100%	100%	22%	0%	0%	0%	11%	0%	0%	15%	24%	15%
Vegetation/Animal	89%	92%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	78%	0%	0%	0%	0%	0%	0%	0%	0%	54%
Weather/Fire/Earthquake	0%	0%	0%	8%	4%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	19%	3%	0%	0%	0%	0%	6%	1%	0%

# Reliability Histories for Individual Circuits Serving Santa Clarita

	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
<b>MARCUS(16KV) - Customers: 1,403</b>	<b>20.8</b>	<b>0.1</b>	<b>1.0</b>	<b>136.7</b>	<b>1.2</b>	<b>1.0</b>	<b>150.9</b>	<b>0.8</b>	<b>1.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>12.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>12.2</b>	<b>0.0</b>	<b>0.0</b>
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	25%	9%	0%	98%	96%	0%	96%	96%	25%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	100%	100%	0%
Operation	75%	91%	0%	1%	3%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	98%	4%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	100%	1%	1%	0%	0%	0%	75%	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%
<b>MAXIMUS(16KV) - Customers: 2,706</b>	<b>1.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>13.9</b>	<b>0.1</b>	<b>0.0</b>	<b>0.2</b>	<b>0.0</b>	<b>0.0</b>	<b>6.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>20.8</b>	<b>0.1</b>	<b>0.0</b>
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%	100%	100%	0%	0%	0%	0%	32%	30%	0%
Operation	100%	100%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	68%	70%	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%
<b>MCBEAN(16KV) - Customers: 2,886</b>	<b>48.3</b>	<b>0.1</b>	<b>1.0</b>	<b>401.8</b>	<b>2.4</b>	<b>2.8</b>	<b>18.1</b>	<b>0.0</b>	<b>0.0</b>	<b>90.1</b>	<b>0.6</b>	<b>0.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>90.1</b>	<b>0.6</b>	<b>1.9</b>
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	61%	57%	0%	78%	71%	51%	13%	8%	0%	1%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	4%	0%
Operation	39%	41%	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%	2%	100%	22%	29%	49%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	53%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	87%	92%	0%	99%	96%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	99%	96%	47%
<b>MENTRY(16KV) - Customers: 2,315</b>	<b>2.1</b>	<b>0.1</b>	<b>0.1</b>	<b>1.0</b>	<b>0.0</b>	<b>1.0</b>	<b>8.1</b>	<b>0.0</b>	<b>0.0</b>	<b>48.2</b>	<b>0.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2.0</b>	<b>0.0</b>	<b>1.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>50.2</b>	<b>0.9</b>	<b>1.1</b>
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%	96%	87%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	96%	98%	0%
Operation	100%	100%	100%	100%	100%	0%	4%	13%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	4%	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%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100%
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 Santa Clarita

	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
<b>MINT CANYON(16KV) - Customers: 1,211</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>40.0</b>	<b>0.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1.0</b>	<b>12.6</b>	<b>0.2</b>	<b>0.0</b>	<b>8.0</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1.0</b>	<b>33.4</b>	<b>0.2</b>	<b>0.0</b>	<b>54.0</b>	<b>1.3</b>	<b>1.0</b>
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%	98%	95%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	62%	12%	0%
Operation	0%	0%	0%	2%	5%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	23%	12%	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%	100%	100%	0%	0%	0%	100%	0%	0%	0%	15%	77%	100%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
<b>MOCCASIN(16KV) - Customers: 1,425</b>	<b>122.6</b>	<b>0.9</b>	<b>0.0</b>	<b>0.6</b>	<b>0.0</b>	<b>0.0</b>	<b>118.3</b>	<b>1.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>86.8</b>	<b>0.1</b>	<b>0.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>86.8</b>	<b>0.1</b>	<b>0.9</b>
3rd Party	99%	98%	0%	0%	0%	0%	85%	93%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	0%	0%	0%	6%	2%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%
Operation	0%	0%	0%	100%	100%	0%	9%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	1%	2%	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%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100%
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%
<b>MORRIE(16KV) - Customers: 283</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>58.1</b>	<b>0.5</b>	<b>2.5</b>	<b>4.4</b>	<b>0.0</b>	<b>2.0</b>	<b>4.8</b>	<b>0.6</b>	<b>0.0</b>	<b>67.1</b>	<b>1.1</b>	<b>1.0</b>	<b>207.0</b>	<b>1.0</b>	<b>0.6</b>	<b>283.4</b>	<b>2.7</b>	<b>3.6</b>
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%	59%	0%	0%	0%	0%	0%	0%	25%	6%	0%	100%	100%	100%	79%	40%	17%
Operation	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	0%	28%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	0%	0%	75%	94%	0%	0%	0%	0%	18%	37%	28%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	41%	0%	0%	0%	100%	100%	0%	0%	0%	100%	0%	0%	0%	2%	22%	28%
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%
<b>NEARGATE(16KV) - Customers: 1,629</b>	<b>29.4</b>	<b>1.9</b>	<b>1.1</b>	<b>366.3</b>	<b>1.9</b>	<b>1.1</b>	<b>94.2</b>	<b>3.2</b>	<b>1.9</b>	<b>163.0</b>	<b>0.8</b>	<b>0.2</b>	<b>89.3</b>	<b>0.8</b>	<b>0.2</b>	<b>90.2</b>	<b>1.0</b>	<b>1.0</b>	<b>0.2</b>	<b>0.0</b>	<b>1.0</b>	<b>342.6</b>	<b>2.6</b>	<b>2.4</b>
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	99%	100%	0%	0%	0%	0%	26%	38%	0%
Equipment Failure	44%	2%	0%	0%	0%	0%	42%	54%	16%	97%	96%	100%	100%	100%	100%	1%	0%	0%	100%	100%	0%	72%	60%	18%
Operation	56%	98%	10%	2%	3%	0%	10%	2%	0%	3%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	1%	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%	90%	0%	0%	90%	49%	44%	84%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%	0%	82%
Weather/Fire/Earthquake	0%	0%	0%	98%	97%	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

# Reliability Histories for Individual Circuits Serving Santa Clarita

	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
<b>NERO(16KV) - Customers: 2,069</b>	<b>155.8</b>	<b>1.2</b>	<b>0.0</b>	<b>256.1</b>	<b>2.0</b>	<b>2.1</b>	<b>169.8</b>	<b>1.1</b>	<b>3.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>8.3</b>	<b>0.5</b>	<b>0.0</b>	<b>24.7</b>	<b>0.1</b>	<b>0.0</b>	<b>4.4</b>	<b>0.0</b>	<b>0.0</b>	<b>37.4</b>	<b>0.6</b>	<b>0.0</b>
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	74%	17%	0%	71%	73%	26%	95%	98%	75%	0%	0%	0%	34%	6%	0%	96%	93%	0%	100%	100%	0%	83%	28%	0%
Operation	26%	83%	0%	1%	4%	0%	0%	0%	0%	0%	0%	0%	66%	94%	0%	0%	0%	0%	0%	0%	0%	15%	71%	0%
Other	0%	0%	0%	0%	0%	0%	2%	2%	0%	0%	0%	0%	0%	0%	0%	4%	7%	0%	0%	0%	0%	2%	1%	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%	28%	24%	74%	3%	1%	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
<b>NIGHTHAWK(16KV) - Customers: 344</b>	<b>0.0</b>	<b>0.0</b>	<b>1.0</b>	<b>70.5</b>	<b>1.0</b>	<b>1.0</b>	<b>16.0</b>	<b>1.2</b>	<b>1.8</b>	<b>118.5</b>	<b>0.8</b>	<b>1.6</b>	<b>63.6</b>	<b>1.2</b>	<b>1.8</b>	<b>238.8</b>	<b>2.6</b>	<b>2.6</b>	<b>0.7</b>	<b>0.0</b>	<b>0.0</b>	<b>421.5</b>	<b>4.6</b>	<b>6.1</b>
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%	99%	100%	0%	0%	0%	0%	100%	100%	38%	0%	0%	0%	100%	100%	100%	0%	0%	0%	85%	74%	53%
Operation	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	2%	14%	45%	0%	0%	0%	100%	100%	0%	0%	4%	14%
Other	0%	0%	100%	0%	0%	100%	100%	100%	100%	0%	0%	0%	98%	86%	55%	0%	0%	0%	0%	0%	0%	15%	22%	16%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	62%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	16%
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%
<b>ORION(16KV) - Customers: 3,153</b>	<b>3.1</b>	<b>0.0</b>	<b>1.8</b>	<b>18.2</b>	<b>0.2</b>	<b>1.0</b>	<b>44.7</b>	<b>0.3</b>	<b>2.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1.0</b>	<b>87.3</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>18.1</b>	<b>0.2</b>	<b>0.0</b>	<b>105.4</b>	<b>1.2</b>	<b>1.0</b>
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	17%	16%	0%
Equipment Failure	2%	1%	0%	10%	3%	0%	54%	69%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	98%	99%	0%	90%	98%	0%	46%	31%	0%	0%	0%	0%	12%	10%	0%	0%	0%	0%	0%	0%	0%	10%	8%	0%
Other	0%	0%	55%	0%	0%	100%	0%	0%	50%	0%	0%	0%	88%	90%	0%	0%	0%	0%	0%	0%	0%	73%	76%	0%
Vegetation/Animal	0%	0%	45%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%
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%
<b>PLACERITA(16KV) - Customers: 1,370</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>6.7</b>	<b>0.0</b>	<b>0.0</b>	<b>126.7</b>	<b>1.0</b>	<b>1.0</b>	<b>180.3</b>	<b>0.3</b>	<b>1.0</b>	<b>14.8</b>	<b>1.1</b>	<b>0.0</b>	<b>69.4</b>	<b>1.1</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>264.4</b>	<b>2.4</b>	<b>2.1</b>
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	98%	85%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	67%	9%	50%
Equipment Failure	0%	0%	0%	100%	100%	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%	2%	15%	0%	43%	3%	0%	5%	3%	0%	0%	0%	0%	5%	4%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	95%	97%	0%	0%	0%	0%	25%	43%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	57%	97%	0%	0%	0%	100%	0%	0%	0%	3%	43%	50%
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 Santa Clarita

	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
<b>POWELL(16KV) - Customers: 2,243</b>	<b>14.5</b>	<b>1.1</b>	<b>3.9</b>	<b>11.4</b>	<b>0.0</b>	<b>1.0</b>	<b>65.7</b>	<b>0.8</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>5.8</b>	<b>0.0</b>	<b>1.0</b>	<b>3.5</b>	<b>0.0</b>	<b>0.0</b>	<b>9.4</b>	<b>0.1</b>	<b>1.0</b>
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	39%	6%	49%	100%	100%	0%	99%	99%	100%	0%	0%	0%	0%	0%	0%	94%	91%	0%	0%	0%	0%	59%	74%	0%
Operation	61%	94%	26%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	96%	95%	0%	36%	18%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	6%	9%	0%	0%	0%	0%	3%	7%	0%
Vegetation/Animal	0%	0%	25%	0%	0%	100%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4%	5%	0%	2%	1%	0%
<b>PYTHON(16KV) - Customers: 1,443</b>	<b>111.8</b>	<b>0.5</b>	<b>2.1</b>	<b>78.7</b>	<b>0.7</b>	<b>0.6</b>	<b>245.3</b>	<b>2.1</b>	<b>3.7</b>	<b>2.8</b>	<b>0.2</b>	<b>0.0</b>	<b>62.4</b>	<b>0.4</b>	<b>2.9</b>	<b>300.5</b>	<b>1.9</b>	<b>0.7</b>	<b>107.9</b>	<b>0.3</b>	<b>0.9</b>	<b>473.6</b>	<b>2.8</b>	<b>4.6</b>
3rd Party	0%	0%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	92%	96%	24%	39%	52%	0%	0%	0%	26%	37%	49%	20%
Equipment Failure	56%	57%	0%	81%	86%	0%	75%	90%	0%	100%	100%	0%	8%	4%	0%	2%	1%	0%	98%	91%	72%	25%	17%	14%
Operation	0%	0%	0%	6%	2%	0%	16%	4%	27%	0%	0%	0%	0%	0%	0%	30%	10%	49%	2%	9%	3%	19%	8%	9%
Other	35%	28%	0%	0%	0%	55%	4%	3%	26%	0%	0%	0%	0%	0%	42%	0%	0%	11%	0%	0%	0%	0%	0%	29%
Vegetation/Animal	9%	14%	67%	14%	13%	45%	2%	3%	19%	0%	0%	0%	0%	0%	34%	29%	37%	40%	0%	0%	0%	19%	26%	28%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	3%	0%	27%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
<b>RACER(16KV) - Customers: 722</b>	<b>43.5</b>	<b>0.2</b>	<b>1.0</b>	<b>213.6</b>	<b>1.1</b>	<b>0.4</b>	<b>71.5</b>	<b>0.4</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>5.6</b>	<b>0.5</b>	<b>3.5</b>	<b>25.7</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>31.3</b>	<b>0.6</b>	<b>3.5</b>
3rd Party	0%	0%	0%	0%	0%	0%	25%	61%	0%	0%	0%	0%	100%	100%	43%	0%	0%	0%	0%	0%	0%	18%	79%	43%
Equipment Failure	46%	40%	0%	100%	100%	100%	75%	39%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	13%	20%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	82%	21%	0%
Other	41%	40%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	29%	0%	0%	0%	0%	0%	0%	0%	0%	29%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	28%	0%	0%	0%	0%	0%	0%	0%	0%	28%
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%
<b>RATTLER(16KV) - Customers: 3,083</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>17.4</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>69.3</b>	<b>0.1</b>	<b>1.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>69.3</b>	<b>0.1</b>	<b>1.9</b>
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%	0%	0%	0%	0%	0%	0%	0%	98%	95%	0%	0%	0%	0%	0%	0%	0%	98%	95%	0%
Operation	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	5%	0%	0%	0%	0%	0%	0%	0%	2%	5%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	50%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	50%
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 Santa Clarita

	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
<b>RINER(16KV) - Customers: 1,176</b>	<b>6.4</b>	<b>0.0</b>	<b>0.0</b>	<b>6.9</b>	<b>0.0</b>	<b>0.2</b>	<b>7.1</b>	<b>0.0</b>	<b>0.0</b>	<b>29.3</b>	<b>0.2</b>	<b>0.0</b>	<b>2.5</b>	<b>0.3</b>	<b>0.0</b>	<b>307.8</b>	<b>1.7</b>	<b>0.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>339.6</b>	<b>2.2</b>	<b>0.3</b>
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%	90%	59%	0%	0%	0%	0%	82%	46%	0%
Operation	100%	100%	0%	100%	100%	100%	100%	100%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	9%	7%	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%	100%	100%	0%	10%	41%	100%	0%	0%	0%	10%	46%	100%
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%
<b>ROMANUS(16KV) - Customers: 2,111</b>	<b>9.9</b>	<b>0.1</b>	<b>0.0</b>	<b>23.2</b>	<b>0.1</b>	<b>0.0</b>	<b>12.3</b>	<b>0.8</b>	<b>0.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>14.0</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>14.0</b>	<b>0.1</b>	<b>0.0</b>
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	48%	57%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	74%	71%	0%	0%	0%	0%	0%	0%	0%	74%	71%	0%
Operation	52%	43%	0%	0%	0%	0%	34%	4%	0%	0%	0%	0%	26%	29%	100%	0%	0%	0%	0%	0%	0%	26%	29%	100%
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%	66%	96%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
<b>SAND CANYON(16KV) - Customers: 2,307</b>	<b>17.7</b>	<b>0.1</b>	<b>0.0</b>	<b>14.7</b>	<b>0.1</b>	<b>1.1</b>	<b>194.2</b>	<b>2.2</b>	<b>3.0</b>	<b>79.0</b>	<b>1.0</b>	<b>0.0</b>	<b>106.1</b>	<b>2.0</b>	<b>2.0</b>	<b>282.2</b>	<b>0.1</b>	<b>1.1</b>	<b>0.6</b>	<b>0.0</b>	<b>4.0</b>	<b>467.9</b>	<b>3.1</b>	<b>7.0</b>
3rd Party	46%	92%	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%	95%	97%	4%	93%	96%	100%	100%	100%	0%	53%	51%	0%	0%	0%	0%	100%	100%	0%	29%	65%	0%
Operation	0%	0%	0%	5%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	6%	6%	0%	0%	0%	2%	0%	1%
Other	54%	8%	100%	0%	0%	96%	6%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	75%	0%	0%	43%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	2%	48%	94%	0%	0%	25%	1%	1%	57%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	47%	49%	0%	94%	46%	0%	0%	0%	0%	68%	33%	0%
<b>STARFIGHTER(16KV) - Customers: 3,539</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>125.4</b>	<b>0.7</b>	<b>0.3</b>	<b>1.8</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>127.2</b>	<b>0.7</b>	<b>0.3</b>
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%	100%	100%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	1%	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%	0%	0%	0%	0%	0%	0%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	99%	96%	100%
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 Santa Clarita

	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
<b>TIPS(16KV) - Customers: 638</b>	<b>0.8</b>	<b>0.0</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>9.6</b>	<b>0.0</b>	<b>0.0</b>	<b>7.9</b>	<b>1.0</b>	<b>0.0</b>	<b>278.4</b>	<b>1.0</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>295.9</b>	<b>2.0</b>	<b>1.0</b>
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%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	97%	51%	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%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	100%	0%	0%	0%	3%	49%	100%
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%
<b>TOGA(16KV) - Customers: 2,121</b>	<b>66.2</b>	<b>0.3</b>	<b>0.0</b>	<b>6.4</b>	<b>0.1</b>	<b>0.0</b>	<b>410.7</b>	<b>1.8</b>	<b>2.4</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2.7</b>	<b>0.0</b>	<b>0.0</b>	<b>154.4</b>	<b>1.3</b>	<b>0.7</b>	<b>87.3</b>	<b>2.1</b>	<b>0.7</b>	<b>244.3</b>	<b>3.4</b>	<b>1.4</b>
3rd Party	0%	0%	0%	0%	0%	0%	21%	16%	71%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	88%	83%	0%	100%	100%	0%	17%	44%	1%	0%	0%	0%	100%	100%	0%	3%	2%	0%	100%	100%	100%	39%	62%	50%
Operation	12%	17%	0%	0%	0%	0%	0%	5%	0%	0%	0%	0%	0%	0%	0%	97%	98%	100%	0%	0%	0%	61%	38%	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%	62%	36%	29%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
<b>VAL VERDE(16KV) - Customers: 127</b>	<b>241.8</b>	<b>0.2</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>8.0</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1.0</b>	<b>2.5</b>	<b>0.0</b>	<b>0.0</b>	<b>10.5</b>	<b>1.0</b>	<b>1.0</b>
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%	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%	100%	100%	0%	24%	1%	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%	100%	100%	0%	0%	0%	100%	0%	0%	0%	76%	99%	100%
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%
<b>VASQUEZ(16KV) - Customers: 2,223</b>	<b>14.2</b>	<b>0.1</b>	<b>0.1</b>	<b>34.5</b>	<b>0.2</b>	<b>0.0</b>	<b>67.1</b>	<b>0.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2.0</b>	<b>8.5</b>	<b>0.0</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1.0</b>	<b>8.5</b>	<b>0.0</b>	<b>4.0</b>
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%	63%	28%	0%	91%	91%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	100%	100%	100%	12%	51%	100%	9%	9%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	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%	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%
Weather/Fire/Earthquake	0%	0%	0%	25%	21%	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 Santa Clarita

	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
<b>WILDWOOD(16KV) - Customers: 2,181</b>	<b>8.5</b>	<b>1.0</b>	<b>1.0</b>	<b>11.0</b>	<b>0.0</b>	<b>1.0</b>	<b>60.3</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>9.6</b>	<b>0.0</b>	<b>0.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>9.6</b>	<b>0.0</b>	<b>0.9</b>
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%	71%	61%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	100%	100%	100%	100%	100%	0%	29%	39%	100%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	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%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100%
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%
<b>WILEY(16KV) - Customers: 2,486</b>	<b>27.4</b>	<b>1.0</b>	<b>1.0</b>	<b>45.4</b>	<b>0.1</b>	<b>1.9</b>	<b>132.3</b>	<b>1.5</b>	<b>1.0</b>	<b>108.3</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>84.2</b>	<b>0.5</b>	<b>2.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>192.5</b>	<b>1.5</b>	<b>2.0</b>
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	30%	2%	0%	100%	100%	49%	89%	97%	95%	100%	100%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	100%	100%	0%
Operation	70%	98%	100%	0%	0%	0%	11%	3%	5%	0%	0%	0%	0%	0%	0%	0%	0%	48%	0%	0%	0%	0%	0%	48%
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%	51%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	52%	0%	0%	0%	0%	0%	52%
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%