



Circuit Reliability Review

Camarillo

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 Ventura District

Camarillo

Channel Islands Beach

El Rio

Fillmore

Meiners Oaks

Mira Monte

Oak View

Ojai

Oxnard

Port Hueneme

San Buenaventura (Ventura)

Santa Paula

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.

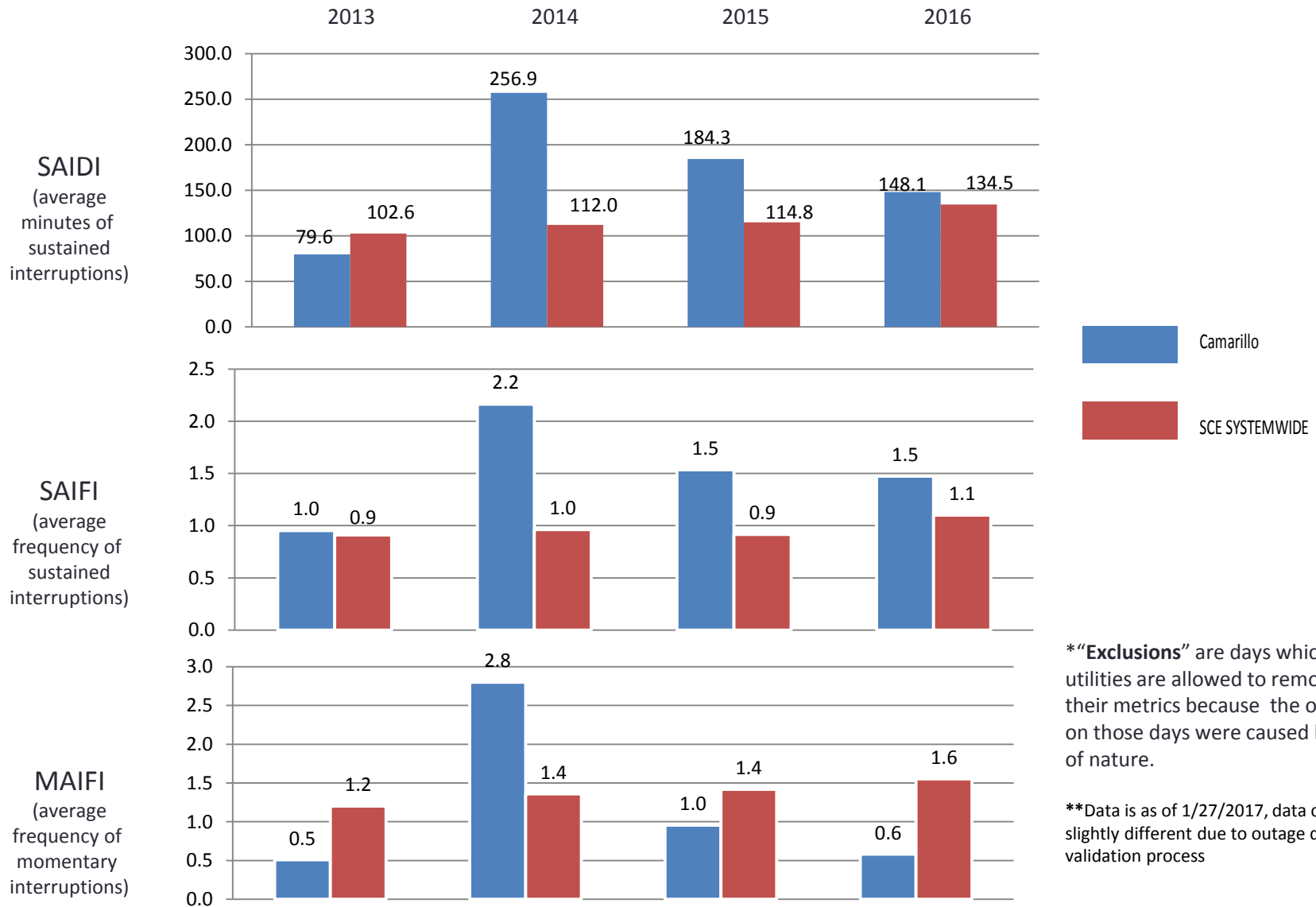
Overview of Camarillo

There are 17 circuits that serve Camarillo

Circuit Type	Sum of Customers	Circuit Type	Sum of Customers	Circuit Type	Sum of Customers	Circuit Type	Sum of Customers
ADOLFO(16KV)	364						
ARNEILL(16KV)	1,124						
AVOCADO(4.16KV)	39						
CLEMSON(16KV)	1,392						
CROSSON(16KV)	5,630						
DONLON(16KV)	541						
ESTABAN(16KV)	2,095						
EVITA(16KV)	2,569						
FLYNN(16KV)	1,626						
MUGU(16KV)	2,146						
PANCHO(16KV)	1,637						
PONDEROSA(16KV)	3,275						
REDSTONE(16KV)	1,371						
REIMANN(16KV)	1,697						
ROSA(16KV)	4,812						
SEMINARY(16KV)	1,309						
WIGTON(16KV)	1,930						

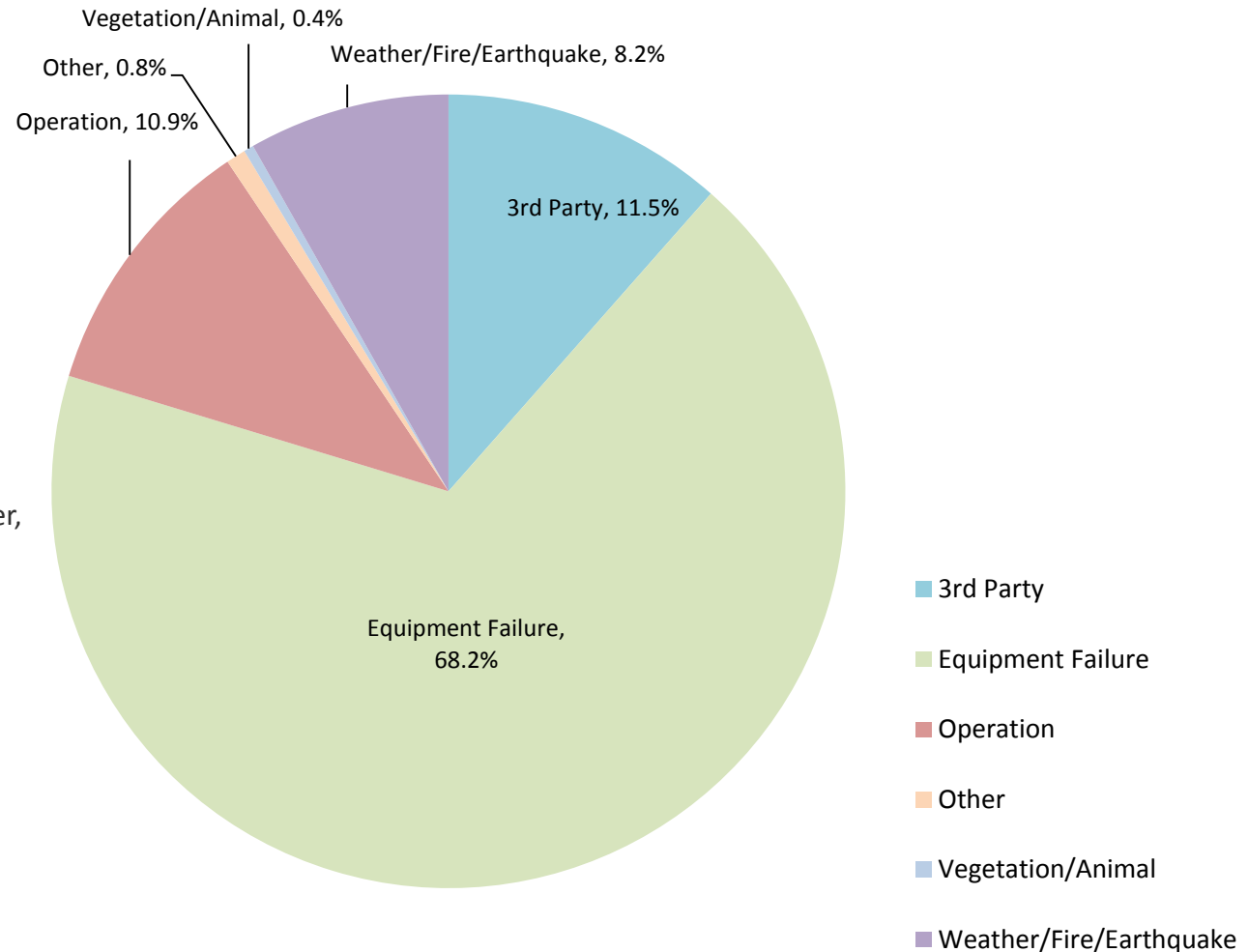
Grand Total 33,557

Reliability History of Circuits Serving Camarillo (No Exclusions)



Causes of Repair Outages in Camarillo Circuits 2016 YTD

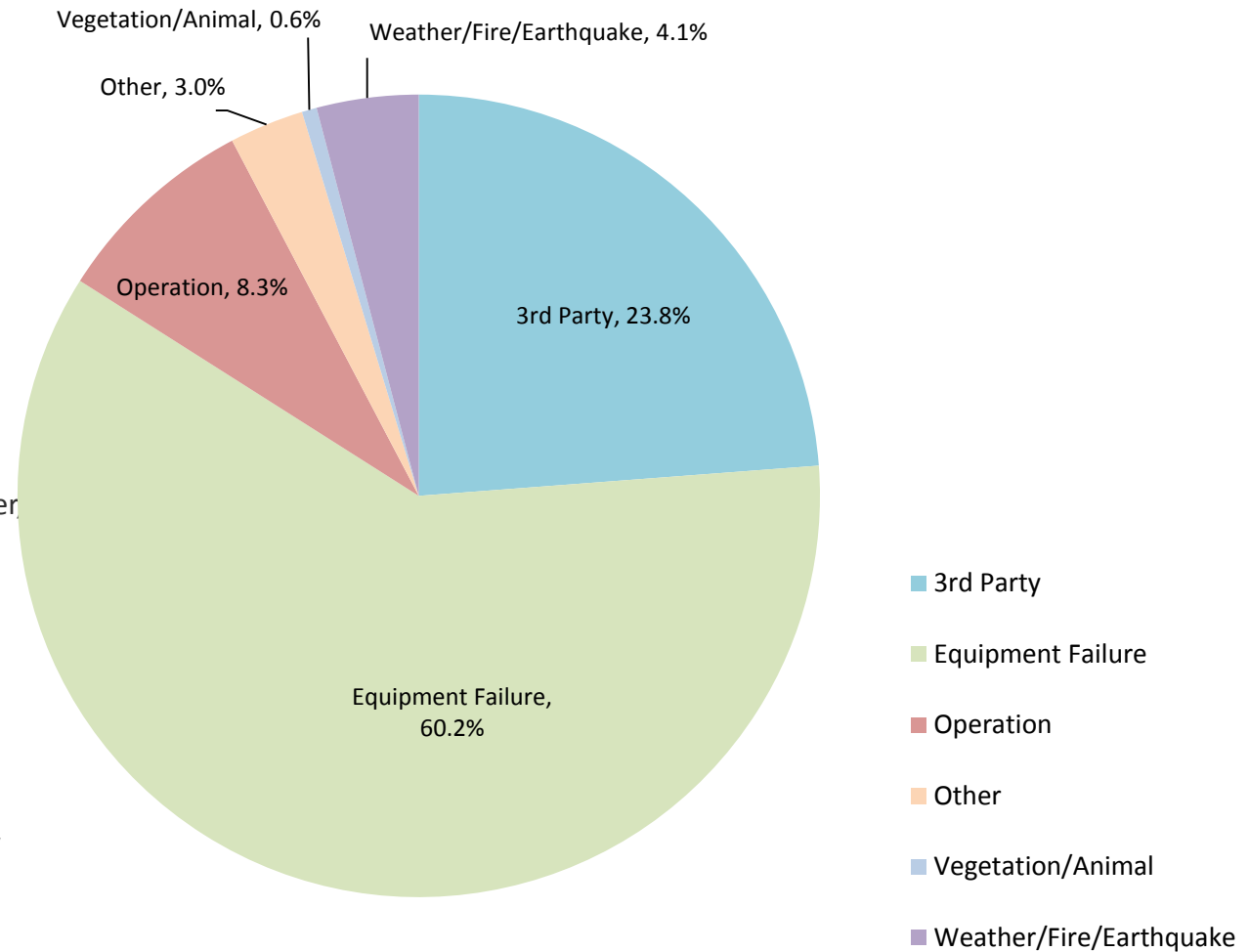
Contributions to SAIDI by Outage Cause



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

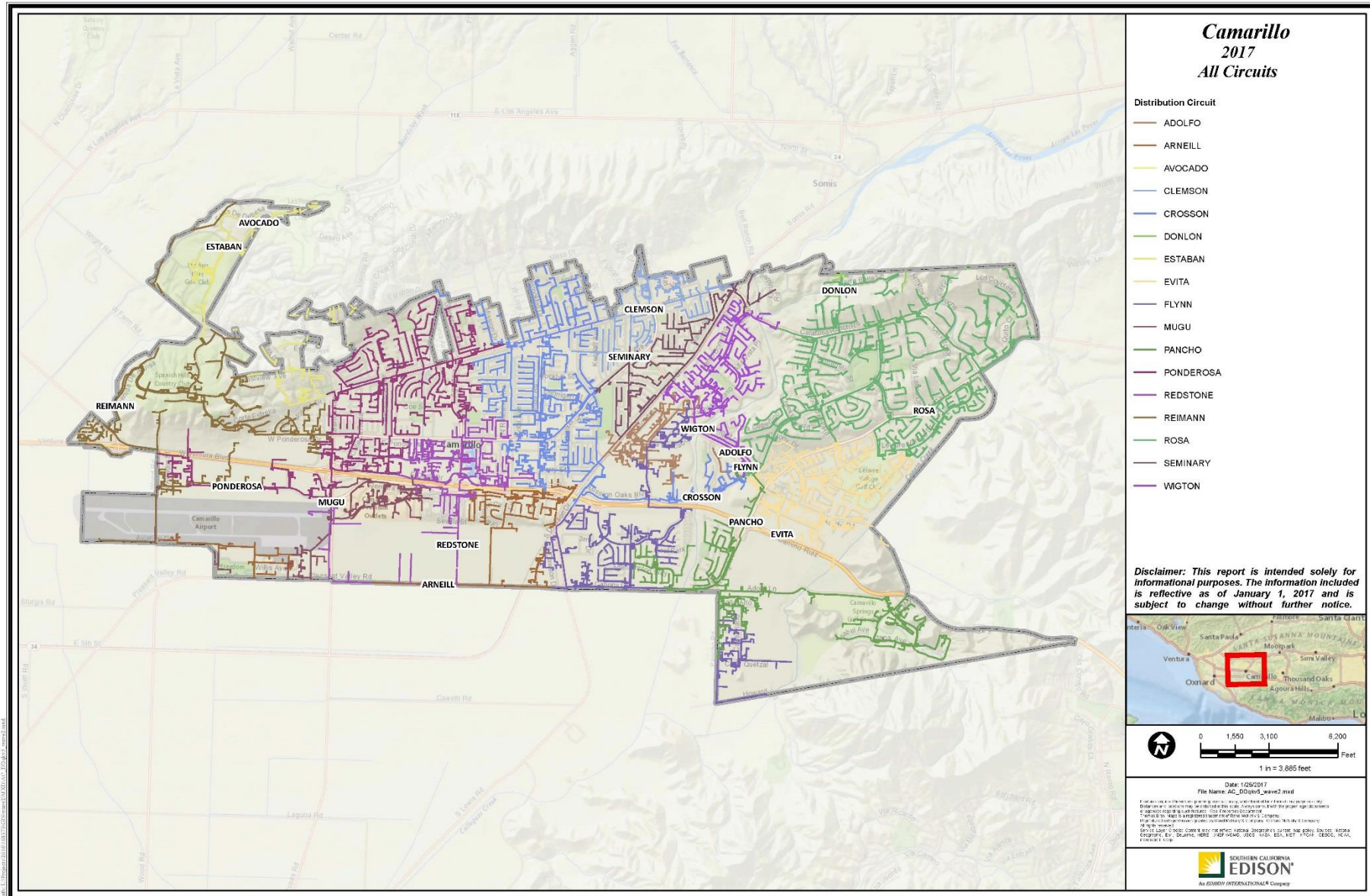
Causes of Repair Outages in Camarillo Circuits 2016 YTD

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
- **3rd Party**
e.g., balloon, car hit pole, dig-in

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



Camarillo 2017 Capital Improvement Plan

Replacement/Equipment Upgrade

✦ Pole Replacement

Other Work

● Circuit Rebuild

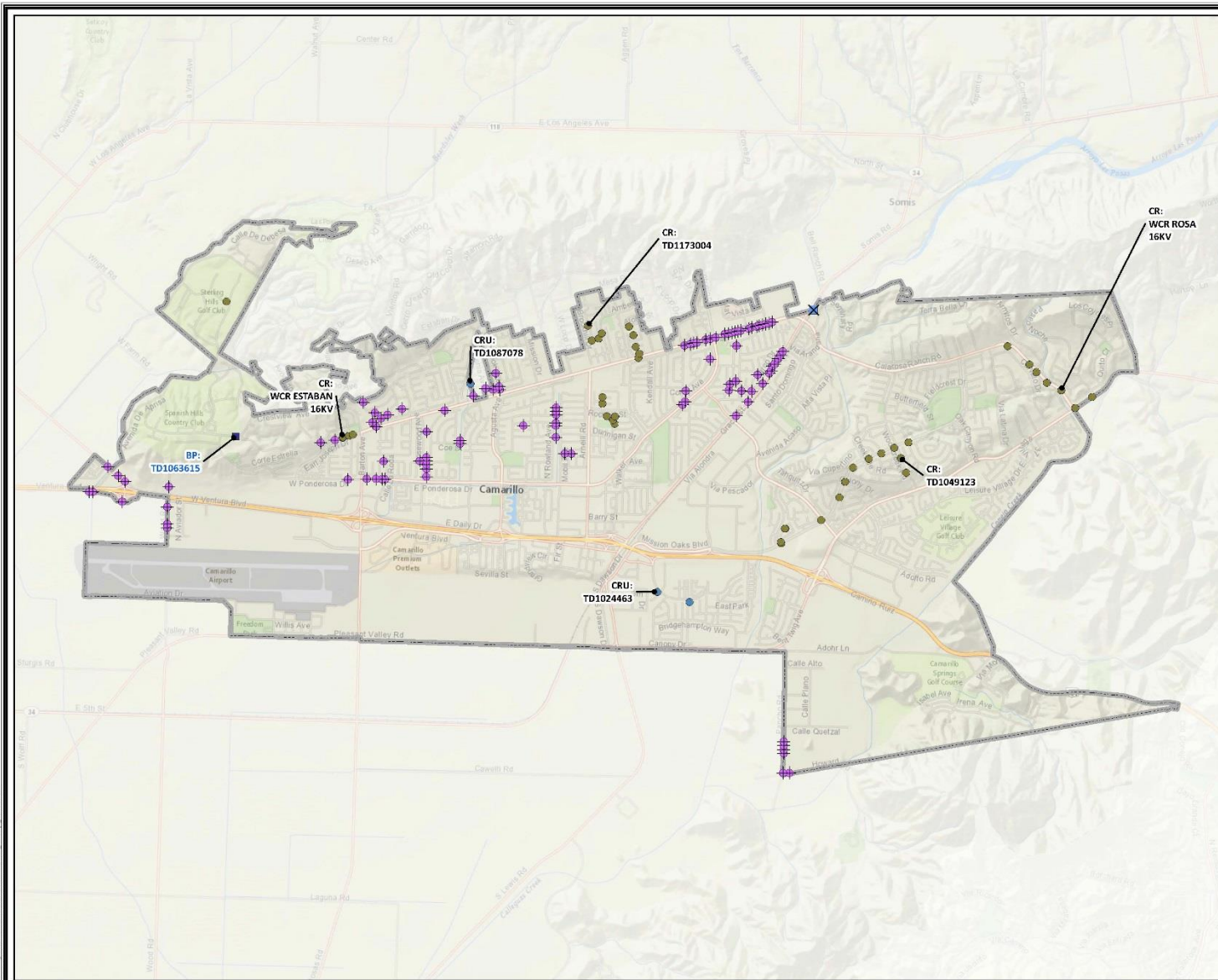
● Circuit Reliability Upgrade

Replacement/Equipment Upgrade (Transmission)

✦ Pole Replacement

Other Work (Transmission)

■ Bulk Power



Disclaimer: This report is intended solely for informational purposes. The information included is reflective as of January 1, 2017 and is subject to change without further notice.



0 1,550 3,100 6,200
Feet
1 in = 3,885 feet

Date: 1/26/2017

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Back-up Slides

Reliability Histories of Circuits Serving Camarillo

Updated through Year-End 2016

Average Reliability of 17 Circuits Serving Camarillo

	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
Camarillo	79.6	1.0	0.5	256.9	2.2	2.8	184.3	1.5	1.0	58.4	0.4	0.3	42.2	0.7	0.1	15.7	0.1	0.1	31.8	0.3	0.1	148.1	1.5	0.6
3rd Party	16%	21%	20%	10%	15%	3%	3%	3%	7%	0%	0%	0%	34%	42%	0%	4%	5%	94%	7%	19%	0%	12%	24%	8%
Equipment Failure	49%	38%	9%	65%	58%	48%	80%	76%	80%	67%	79%	55%	58%	49%	7%	83%	78%	6%	78%	55%	0%	68%	60%	33%
Operation	7%	6%	7%	13%	16%	17%	8%	6%	0%	16%	8%	0%	6%	3%	56%	5%	11%	0%	11%	20%	15%	11%	8%	15%
Other	7%	8%	27%	1%	4%	21%	1%	1%	9%	0%	0%	23%	1%	5%	6%	2%	4%	0%	2%	3%	75%	1%	3%	23%
Vegetation/Animal	14%	20%	12%	0%	0%	10%	6%	13%	3%	0%	0%	0%	1%	1%	31%	0%	0%	0%	0%	0%	0%	0%	1%	7%
Weather/Fire/Earthquake	7%	7%	25%	10%	7%	1%	2%	1%	0%	18%	13%	22%	0%	0%	0%	7%	2%	0%	2%	3%	10%	8%	4%	14%
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 Camarillo

	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
ADOLFO(16KV) - Customers: 364	2.1	0.0	0.0	0.0	0.0	0.0	489.6	1.8	1.5	0.0	0.0	0.0	156.5	1.0	0.7	188.4	2.4	0.3	0.0	0.0	0.0	344.9	3.4	1.0
3rd Party	0%	0%	0%	0%	0%	0%	59%	55%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	0%	0%	0%	33%	32%	100%	0%	0%	0%	100%	100%	100%	100%	100%	100%	0%	0%	0%	100%	100%	100%
Operation	100%	100%	0%	0%	0%	0%	8%	13%	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%
ARNEILL(16KV) - Customers: 1,124	89.4	1.0	1.0	7.9	0.0	0.0	35.2	0.1	0.0	495.7	0.9	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	496.0	0.9	0.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	96%	98%	0%	0%	0%	0%	92%	75%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%
Operation	1%	1%	0%	100%	100%	0%	8%	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	3%	1%	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%
AVOCADO(4.16KV) - Customers: 39	11.0	1.0	1.0	326.0	3.0	3.0	1055.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.0	1.0	0.0	19.0	1.0	0.0
3rd Party	0%	0%	0%	20%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	80%	67%	33%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	0%	0%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	100%	100%	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	100%	100%	0%	0%	0%	33%	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%
CLEMSON(16KV) - Customers: 1,392	25.9	0.7	0.5	23.4	1.1	1.0	30.7	0.1	0.0	112.0	0.9	0.4	137.4	0.9	0.0	3.5	0.1	0.0	2.7	0.1	0.0	255.5	2.0	0.4
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	66%	16%	0%	60%	93%	0%	72%	83%	0%	100%	100%	100%	100%	100%	0%	0%	0%	0%	43%	45%	0%	98%	92%	100%
Operation	12%	16%	0%	1%	0%	100%	15%	6%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	57%	55%	0%	2%	8%	0%
Other	0%	0%	0%	39%	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	22%	69%	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%	13%	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Reliability Histories for Individual Circuits Serving Camarillo

	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
CROSSON(16KV) - Customers: 5,630	85.0	1.1	0.2	59.6	0.2	3.9	247.2	2.7	1.2	18.8	0.1	0.0	0.4	0.0	0.2	39.4	0.3	0.0	20.1	0.1	0.2	78.6	0.4	0.4
3rd Party	63%	85%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	4%	0%	0%	0%	0%	1%	2%	0%
Equipment Failure	22%	8%	0%	86%	38%	49%	69%	56%	100%	10%	22%	0%	0%	0%	0%	98%	96%	0%	99%	75%	0%	77%	76%	0%
Operation	5%	3%	0%	6%	46%	0%	1%	1%	0%	90%	78%	0%	100%	100%	0%	0%	0%	0%	1%	25%	0%	22%	22%	0%
Other	8%	4%	100%	0%	0%	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	50%
Vegetation/Animal	1%	1%	0%	8%	16%	25%	29%	43%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	50%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
DONLON(16KV) - Customers: 541	304.7	1.8	3.1	60.9	0.3	1.9	56.6	0.3	0.1	32.0	0.1	0.3	34.3	0.5	0.5	70.3	0.1	0.0	24.4	0.1	1.0	161.0	0.9	1.8
3rd Party	0%	0%	65%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	94%	68%	3%	12%	2%	4%	3%	1%	0%	21%	26%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4%	3%	0%
Operation	2%	1%	0%	17%	11%	67%	3%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	9%	7%	100%	0%	0%	100%	0%	0%	0%	0%	0%	0%	16%	16%	100%	2%	3%	73%
Vegetation/Animal	2%	28%	24%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%	0%	0%	0%	0%	0%	0%	21%	60%	27%
Weather/Fire/Earthquake	2%	3%	8%	71%	87%	30%	86%	90%	0%	79%	74%	0%	0%	0%	0%	100%	100%	0%	84%	84%	0%	72%	35%	0%
ESTABAN(16KV) - Customers: 2,095	37.2	0.9	1.3	328.8	3.8	5.4	299.2	1.4	1.7	25.9	0.4	0.0	2.6	0.0	0.0	0.0	0.0	0.0	24.4	0.7	0.3	52.9	1.1	0.3
3rd Party	0%	0%	0%	19%	27%	0%	0%	0%	0%	0%	0%	0%	6%	18%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	26%	3%	0%	70%	68%	60%	86%	80%	100%	98%	99%	100%	29%	6%	0%	0%	0%	0%	10%	1%	0%	54%	33%	12%
Operation	25%	9%	0%	6%	2%	21%	3%	9%	0%	2%	1%	0%	4%	18%	0%	0%	0%	0%	65%	84%	60%	31%	56%	53%
Other	11%	1%	84%	0%	0%	1%	1%	2%	0%	0%	0%	0%	61%	59%	0%	0%	0%	0%	11%	1%	0%	8%	1%	0%
Vegetation/Animal	23%	86%	16%	0%	0%	19%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	14%	1%	0%	4%	3%	0%	10%	9%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	14%	14%	40%	7%	10%	35%
EVITA(16KV) - Customers: 2,569	152.1	3.1	0.0	394.6	3.6	2.3	322.1	2.2	1.3	50.2	1.1	0.0	24.9	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	75.1	1.1	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	98%	99%	100%	75%	66%	57%	92%	96%	100%	100%	100%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%
Operation	2%	1%	0%	17%	5%	0%	8%	4%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100%
Other	0%	0%	0%	8%	29%	43%	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 Camarillo

	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
FLYNN(16KV) - Customers: 1,626	10.8	0.1	0.0	121.4	0.9	1.3	45.8	0.8	1.4	4.7	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	42.1	0.1	0.0	48.4	0.2	0.0
3rd Party	0%	0%	0%	0%	0%	0%	76%	97%	26%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	100%	100%	27%	3%	1%	74%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	87%	67%	0%
Operation	20%	9%	0%	0%	0%	0%	2%	0%	0%	100%	100%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	13%	33%	0%
Other	0%	0%	0%	0%	0%	73%	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	80%	91%	0%	0%	0%	0%	19%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
MUGU(16KV) - Customers: 2,146	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	1.6	85.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	376.4	2.7	0.0	462.2	3.0	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%	100%	100%	0%	81%	90%	0%
Operation	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	19%	10%	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%	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%
PANCHO(16KV) - Customers: 1,637	4.1	0.0	1.0	119.1	3.1	1.1	198.0	1.2	0.0	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	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%	100%	100%	100%	9%	83%	85%	0%	61%	56%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	61%	56%	0%
Operation	0%	0%	0%	0%	0%	0%	17%	15%	0%	39%	44%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	39%	44%	0%
Other	0%	0%	0%	0%	0%	91%	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%
PONDEROSA(16KV) - Customers: 3,275	62.8	0.3	0.0	267.1	1.9	1.5	272.2	2.5	1.3	0.0	0.0	0.0	0.0	0.0	0.0	27.7	0.1	0.0	29.0	0.2	0.0	56.7	0.3	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	84%	34%	0%	30%	42%	23%	95%	93%	100%	0%	0%	0%	0%	0%	0%	90%	49%	0%	0%	0%	0%	44%	18%	0%
Operation	11%	55%	0%	2%	2%	0%	5%	7%	0%	0%	0%	0%	0%	0%	0%	2%	13%	0%	84%	57%	0%	44%	41%	0%
Other	5%	11%	0%	1%	2%	65%	0%	0%	0%	0%	0%	0%	0%	0%	0%	9%	38%	0%	16%	43%	0%	13%	41%	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%	67%	55%	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Reliability Histories for Individual Circuits Serving Camarillo

	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
REDSTONE(16KV) - Customers: 1,371	70.2	0.9	0.1	370.6	3.3	4.2	213.9	1.0	1.1	89.7	1.2	4.8	229.1	5.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	319.0	6.5	4.9
3rd Party	90%	99%	73%	5%	30%	23%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	81%	58%	53%	91%	95%	100%	90%	98%	45%	96%	99%	100%	100%	100%	0%	0%	0%	0%	94%	99%	45%
Operation	0%	0%	27%	1%	1%	0%	0%	1%	0%	7%	2%	0%	3%	1%	0%	0%	0%	0%	0%	0%	0%	4%	1%	0%
Other	0%	0%	0%	1%	1%	24%	9%	4%	0%	0%	0%	28%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	27%
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	10%	1%	0%	11%	9%	0%	0%	0%	0%	3%	0%	28%	1%	0%	0%	0%	0%	0%	0%	0%	0%	2%	0%	27%
REIMANN(16KV) - Customers: 1,697	28.4	0.3	0.7	226.5	1.7	0.1	12.7	0.0	2.0	212.0	1.0	0.0	38.1	0.1	0.0	8.6	0.1	1.0	48.1	1.1	0.0	306.8	2.3	1.0
3rd Party	0%	0%	0%	35%	45%	100%	0%	0%	50%	0%	0%	0%	0%	0%	0%	99%	99%	100%	99%	100%	0%	18%	51%	100%
Equipment Failure	49%	6%	0%	9%	1%	0%	99%	96%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	12%	3%	0%
Operation	51%	94%	100%	56%	54%	0%	1%	4%	0%	7%	5%	0%	0%	0%	0%	1%	1%	0%	1%	0%	0%	5%	2%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	50%	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%	93%	95%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	64%	44%	0%
ROSA(16KV) - Customers: 4,812	29.2	0.1	0.0	368.2	3.2	4.3	130.3	1.7	0.0	16.0	0.0	0.0	113.8	2.1	0.0	15.6	0.0	0.0	0.0	0.0	0.0	145.5	2.2	0.0
3rd Party	0%	0%	0%	29%	31%	0%	0%	0%	0%	0%	0%	0%	86%	95%	0%	0%	0%	0%	0%	0%	0%	68%	92%	0%
Equipment Failure	47%	71%	100%	37%	17%	53%	88%	94%	0%	100%	100%	100%	3%	1%	0%	100%	100%	0%	0%	0%	0%	24%	4%	100%
Operation	53%	29%	0%	34%	52%	47%	12%	6%	0%	0%	0%	0%	10%	4%	0%	0%	0%	0%	0%	0%	0%	8%	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%	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%
SEMINARY(16KV) - Customers: 1,309	343.9	3.8	3.2	841.8	4.8	6.0	152.5	1.4	2.7	31.1	0.1	1.0	14.7	0.9	0.2	0.0	0.0	0.0	0.0	0.0	0.0	45.8	0.9	1.2
3rd Party	0%	0%	31%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	15%	5%	0%	100%	100%	50%	89%	90%	67%	40%	36%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	27%	2%	84%
Operation	0%	0%	0%	0%	0%	17%	11%	10%	0%	60%	64%	0%	62%	7%	0%	0%	0%	0%	0%	0%	0%	60%	11%	0%
Other	18%	26%	0%	0%	0%	17%	0%	0%	33%	0%	0%	0%	38%	93%	100%	0%	0%	0%	0%	0%	0%	12%	87%	16%
Vegetation/Animal	48%	44%	8%	0%	0%	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	19%	26%	61%	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 Camarillo

	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
WIGTON(16KV) - Customers: 1,930	54.1	0.3	0.0	96.3	0.8	0.1	126.8	0.7	0.0	66.2	1.0	0.0	0.0	0.0	0.0	9.6	0.1	0.0	0.0	0.0	0.0	75.8	1.1	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	100%	100%	0%	86%	91%	100%	32%	30%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	87%	94%	0%
Operation	0%	0%	0%	14%	9%	0%	59%	57%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	13%	6%	0%
Other	0%	0%	0%	0%	0%	0%	9%	13%	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 Camarillo

Reliability Histories for Individual Circuits Serving Camarillo