



Circuit Reliability Review

Ventura

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://www.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

Ventura

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.

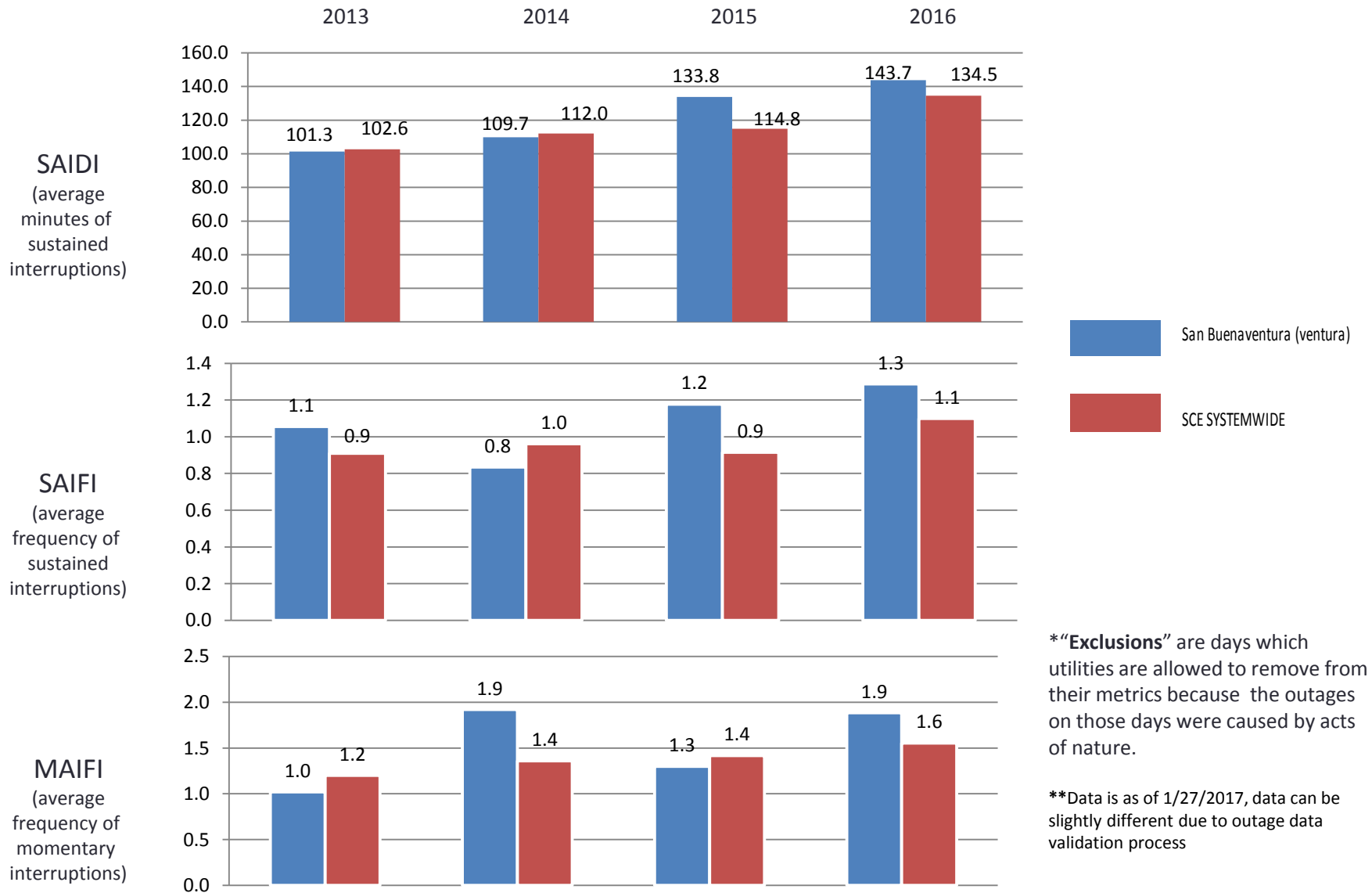
**In the columns showing "Rank," lower numbers indicate poorer performance.

Overview of San Buenaventura (Ventura)

There are 30 circuits that serve San Buenaventura (Ventura)

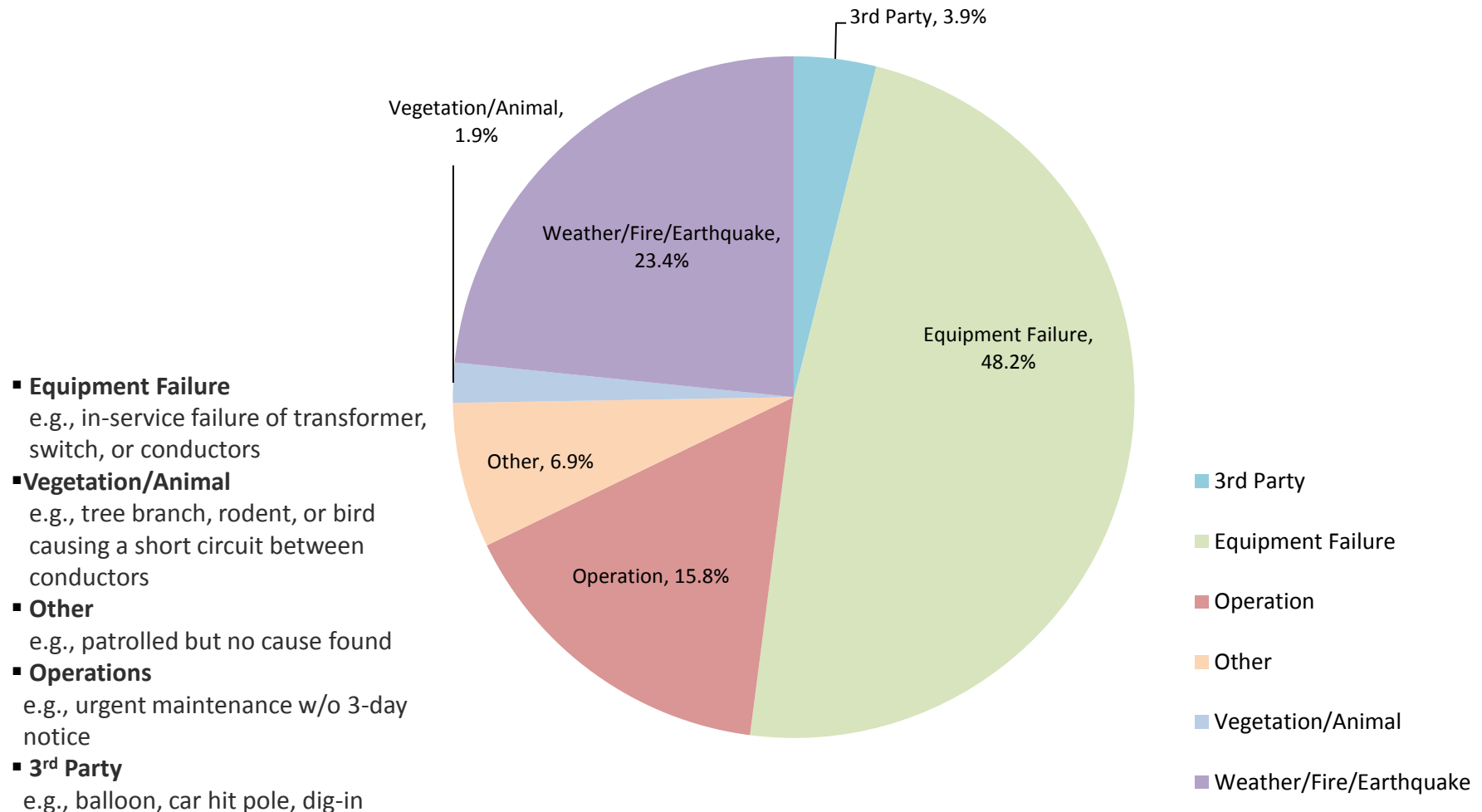
Circuit Type	Sum of Customers	Circuit Type	Sum of Customers	Circuit Type	Sum of Customers	Circuit Type	Sum of Customers
ALFREDO(16KV)	1,216						
ALVARADO(16KV)	2,311						
CANET(16KV)	3,714						
CARNEGIE(16KV)	4,355						
CISCO(16KV)	318						
CODE(4.16KV)	910						
DIABLO(16KV)	4,175						
GRANDAD(16KV)	25						
GRINGO(16KV)	4,510						
HARTMAN(4.16KV)	696						
HIGHWAY(16KV)	5,000						
HOSPITAL(4.16KV)	706						
LEXINGTON(4.16KV)	557						
LOMA VISTA(2.4KV)	33						
MALOY(16KV)	1,013						
MAXSON(16KV)	3,309						
MIDDLE ROAD(16KV)	1,148						
PEARCE(4.16KV)	591						
PEDRO(16KV)	684						
READY(16KV)	2,633						
RED MOUNTAIN(16KV)	358						
RICARDO(16KV)	2,686						
RIVA(16KV)	3,198						
ROEBUCK(4.16KV)	978						
SALVADOR(16KV)	2,606						
SAN NICHOLAS(16KV)	3,280						
SEXTON(16KV)	3,523						
TELOMA(4.16KV)	589						
TICO(16KV)	2,004						
VINEYARD(16KV)	4,892						
Grand Total	62,018						

Reliability History of Circuits Serving San Buenaventura (Ventura) (No Exclusions)



Causes of Repair Outages in San Buenaventura (Ventura) Circuits 2016 YTD

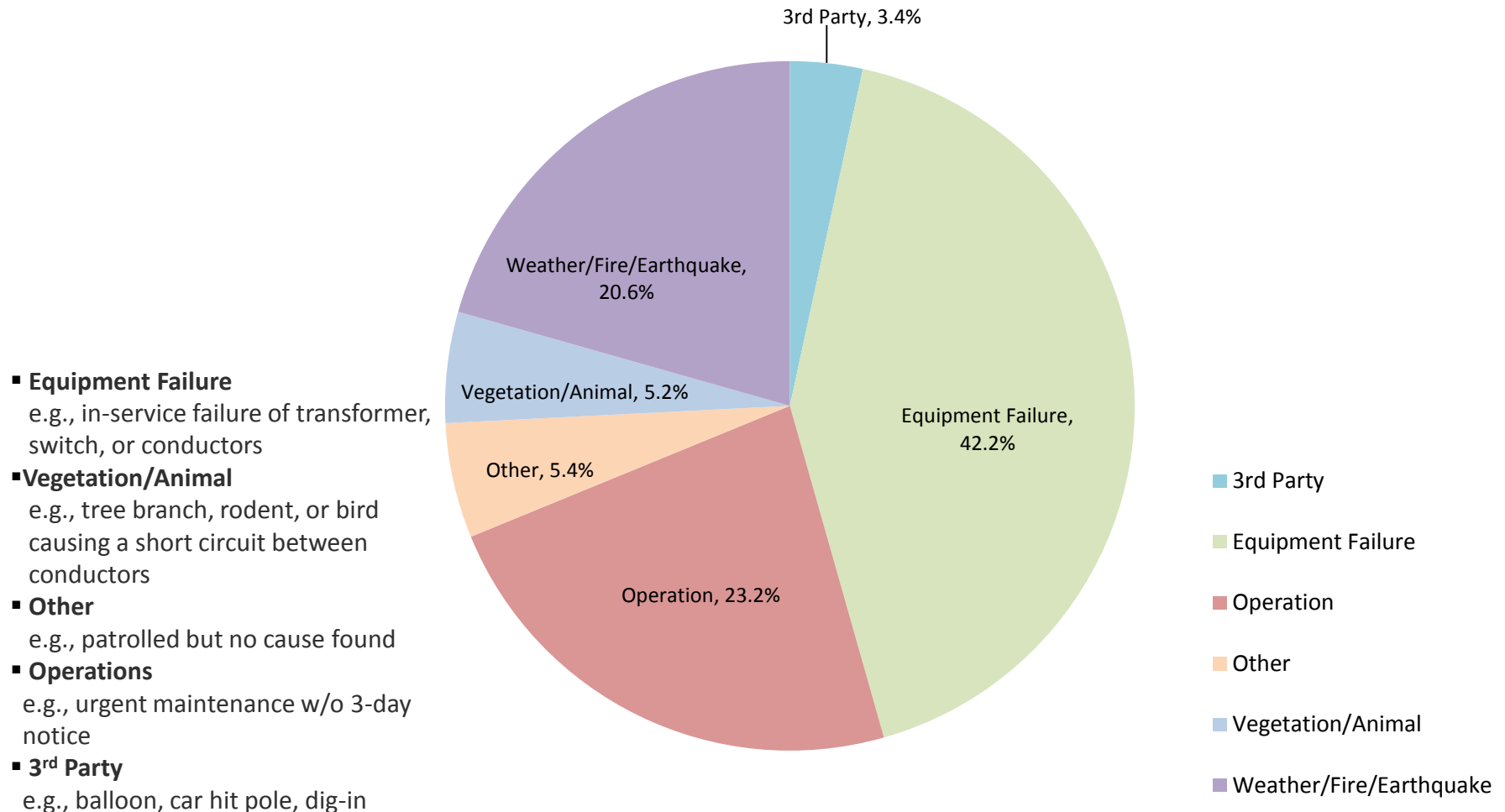
Contributions to SAIDI by Outage Cause



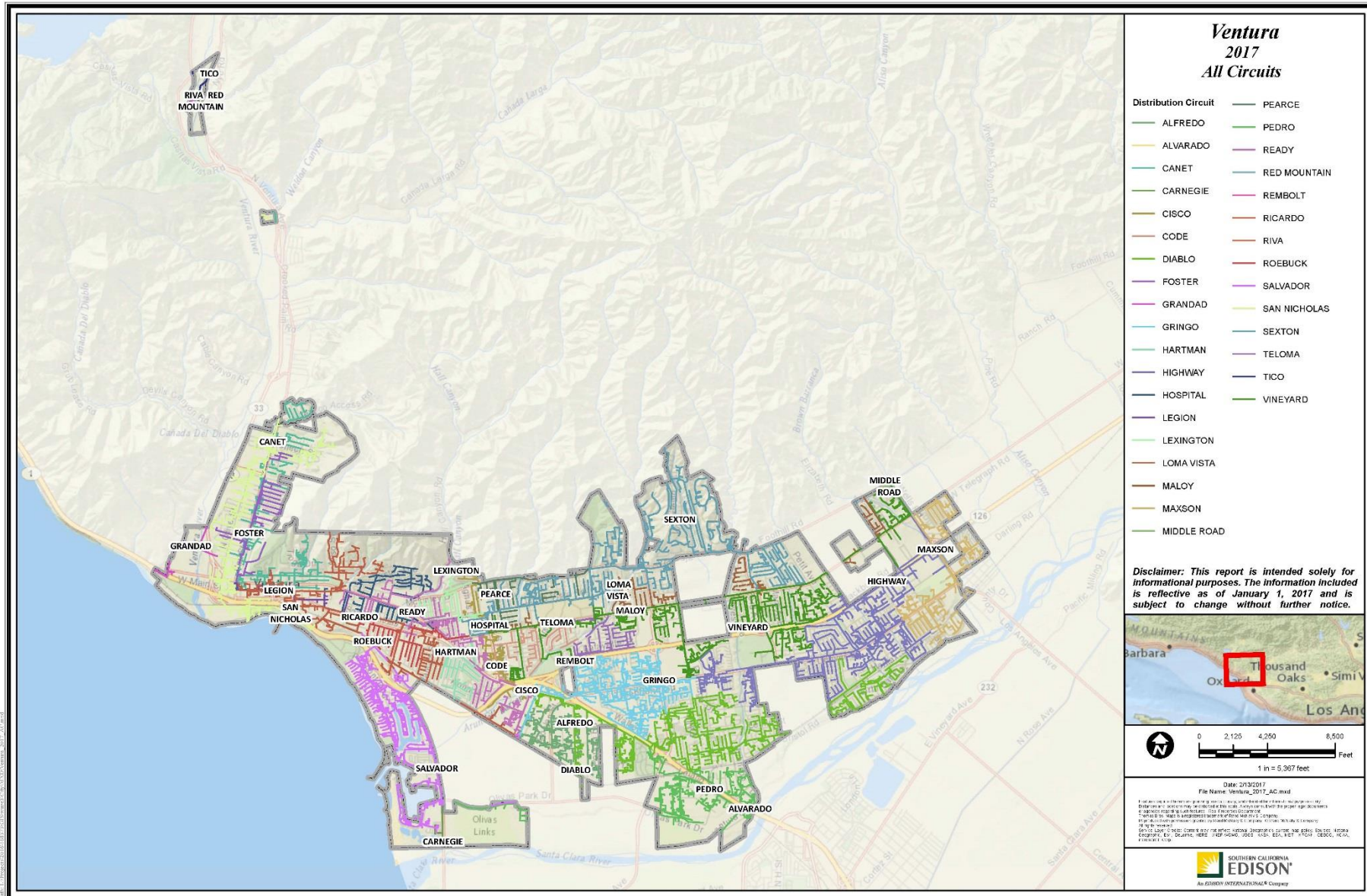
SAIDI = the cumulative amount of time the average customer is interrupted by “sustained” outages each year.

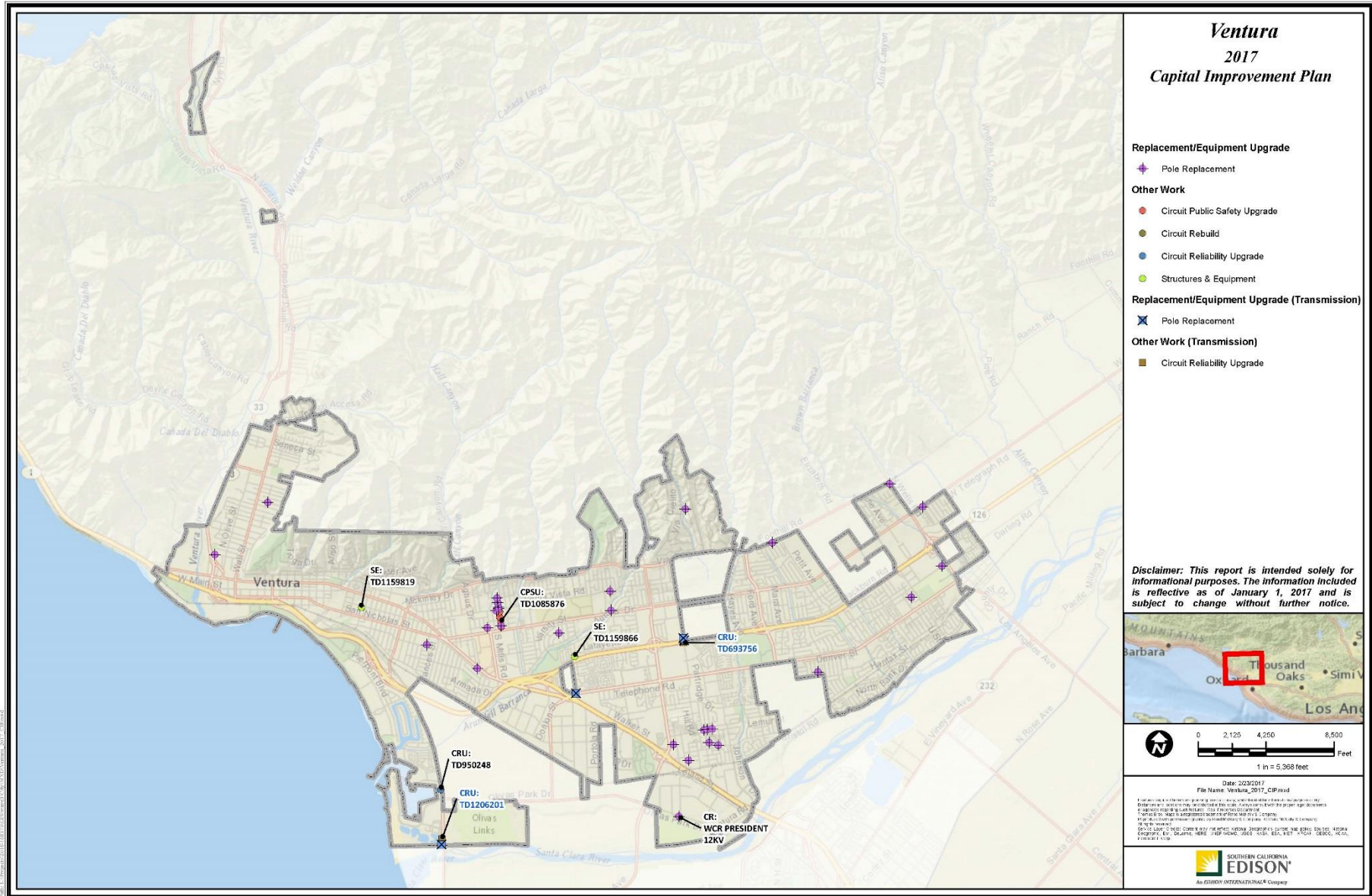
Causes of Repair Outages in San Buenaventura (Ventura) Circuits 2016 YTD

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 San Buenaventura (Ventura)

Updated through Year-End 2016

Average Reliability of 30 Circuits Serving San Buenaventura (Ventura)

	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
San Buenaventura (ventura)	101.3	1.1	1.0	109.7	0.8	1.9	133.8	1.2	1.3	64.9	0.5	0.6	16.2	0.2	0.5	30.9	0.3	0.4	31.7	0.3	0.4	143.7	1.3	1.9
3rd Party	8%	7%	11%	22%	42%	13%	3%	6%	7%	4%	3%	12%	18%	17%	20%	0%	0%	2%	0%	0%	0%	4%	3%	9%
Equipment Failure	67%	42%	23%	33%	24%	24%	61%	53%	40%	27%	23%	8%	74%	77%	16%	71%	50%	52%	56%	46%	26%	48%	42%	24%
Operation	15%	28%	9%	38%	22%	6%	7%	7%	0%	12%	29%	13%	4%	3%	0%	16%	13%	16%	30%	35%	3%	16%	23%	8%
Other	4%	8%	17%	2%	2%	10%	4%	7%	23%	8%	3%	21%	4%	3%	64%	0%	0%	14%	12%	15%	52%	7%	5%	37%
Vegetation/Animal	4%	8%	38%	1%	2%	33%	1%	2%	21%	0%	0%	0%	0%	0%	0%	9%	22%	0%	0%	0%	0%	2%	5%	0%
Weather/Fire/Earthquake	2%	8%	3%	4%	8%	14%	22%	24%	9%	48%	42%	46%	1%	0%	0%	5%	14%	16%	1%	3%	19%	23%	21%	21%
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 San Buenaventura (Ventura)

	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
ALFREDO(16KV) - Customers: 1,216	0.0	0.0	1.0	59.6	1.1	0.2	94.3	1.1	1.0	0.0	0.0	0.0	76.4	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	76.4	1.0	1.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	100%	100%	100%	99%	98%	100%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%
Operation	0%	0%	0%	0%	0%	0%	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%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100%
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%
ALVARADO(16KV) - Customers: 2,311	23.4	0.2	1.0	173.3	2.2	3.0	31.1	1.0	2.0	10.1	0.1	0.0	40.5	0.3	0.2	21.7	0.1	0.0	18.7	0.2	1.0	91.0	0.7	1.2
3rd Party	0%	0%	0%	52%	91%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	98%	99%	0%	48%	9%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%	0%	0%	0%	91%	80%	0%	63%	73%	18%
Operation	0%	0%	0%	0%	0%	0%	0%	1%	0%	100%	100%	0%	0%	0%	0%	100%	100%	0%	9%	20%	0%	37%	27%	0%
Other	2%	1%	0%	0%	0%	0%	100%	99%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	82%
Vegetation/Animal	0%	0%	100%	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%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
CANET(16KV) - Customers: 3,714	585.3	4.9	4.0	145.6	0.1	1.0	151.6	1.9	2.6	14.8	0.1	0.0	51.3	0.1	0.9	32.1	1.0	1.1	236.3	1.0	0.2	334.6	2.2	2.1
3rd Party	6%	2%	24%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	44%
Equipment Failure	77%	57%	73%	5%	10%	0%	51%	43%	12%	4%	5%	0%	88%	71%	0%	0%	0%	0%	100%	100%	100%	84%	51%	7%
Operation	5%	20%	4%	95%	90%	0%	2%	1%	0%	96%	96%	0%	12%	29%	0%	8%	3%	0%	0%	0%	0%	7%	5%	0%
Other	0%	0%	0%	0%	0%	0%	16%	4%	38%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	49%
Vegetation/Animal	12%	21%	0%	0%	0%	0%	0%	0%	38%	0%	0%	0%	0%	0%	0%	92%	97%	0%	0%	0%	0%	9%	44%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	100%	31%	52%	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
CARNEGIE(16KV) - Customers: 4,355	43.8	2.5	0.6	132.5	1.1	2.3	72.4	0.6	2.0	70.4	0.2	1.0	4.6	0.1	0.0	14.4	0.2	0.0	103.3	0.7	1.2	192.7	1.1	2.2
3rd Party	0%	0%	0%	0%	0%	0%	40%	58%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	45%	42%	0%	45%	69%	54%	30%	19%	1%	20%	26%	1%	16%	3%	0%	0%	0%	0%	7%	6%	84%	11%	8%	46%
Operation	5%	0%	0%	45%	22%	0%	19%	9%	0%	0%	0%	0%	0%	0%	0%	25%	15%	0%	72%	84%	16%	40%	58%	9%
Other	1%	0%	0%	9%	9%	1%	0%	0%	50%	10%	24%	0%	40%	77%	0%	0%	0%	0%	21%	10%	0%	16%	14%	0%
Vegetation/Animal	16%	15%	100%	0%	0%	44%	0%	0%	49%	0%	0%	0%	0%	0%	0%	75%	85%	0%	0%	0%	0%	6%	13%	0%
Weather/Fire/Earthquake	34%	42%	0%	0%	0%	1%	10%	15%	0%	70%	51%	99%	44%	20%	0%	0%	0%	0%	0%	0%	0%	27%	8%	45%

Reliability Histories for Individual Circuits Serving San Buenaventura (Ventura)

	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
CISCO(16KV) - Customers: 318	10.2	0.0	1.0	27.5	0.3	0.0	96.5	1.0	0.0	22.1	0.1	0.0	0.0	0.0	1.0	70.0	1.2	0.3	0.0	0.0	0.0	92.1	1.3	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	0%	0%	0%	84%	78%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%	0%	0%	0%	76%	92%	24%
Operation	100%	100%	0%	0%	0%	0%	82%	98%	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%	94%	77%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	22%	6%	76%
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%	16%	22%	0%	18%	2%	0%	6%	23%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	2%	0%
CODE(4.16KV) - Customers: 910	3.9	0.0	2.0	41.2	1.0	1.0	2.3	0.0	0.0	53.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53.9	0.9	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%	14%	1%	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%	100%	100%	0%	100%	100%	0%	0%	0%	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%	86%	99%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
DIABLO(16KV) - Customers: 4,175	150.6	1.1	1.1	15.6	0.1	1.0	21.0	0.2	0.0	53.1	0.1	0.0	2.4	0.0	1.0	23.8	1.0	2.1	47.8	0.8	0.0	127.1	2.0	3.1
3rd Party	59%	85%	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	25%	7%	0%	95%	95%	100%	13%	3%	0%	34%	24%	0%	100%	100%	0%	91%	99%	6%	0%	0%	0%	33%	52%	4%
Operation	9%	6%	0%	5%	5%	0%	36%	42%	0%	66%	76%	0%	0%	0%	0%	2%	0%	47%	93%	92%	0%	63%	44%	32%
Other	6%	2%	0%	0%	0%	0%	11%	14%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	7%	8%	0%	3%	3%	32%
Vegetation/Animal	0%	0%	92%	0%	0%	0%	36%	38%	0%	0%	0%	0%	0%	0%	0%	6%	1%	0%	0%	0%	0%	1%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	4%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	47%	0%	0%	0%	0%	0%	32%
GRANDAD(16KV) - Customers: 25	88.5	1.2	0.0	425.6	1.0	1.5	1162.8	1.6	1.6	0.0	0.0	0.0	258.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	258.1	2.1	0.0
3rd Party	0%	0%	0%	82%	50%	34%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	87%	40%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	10%	57%	0%	18%	50%	0%	74%	37%	36%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	4%	3%	0%	0%	0%	66%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	64%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	26%	63%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Reliability Histories for Individual Circuits Serving San Buenaventura (Ventura)

	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
GRINGO(16KV) - Customers: 4,510	98.6	1.3	1.9	137.6	1.2	1.3	96.6	0.7	0.3	63.2	0.7	0.3	24.4	0.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	87.6	1.4	2.0
3rd Party	0%	0%	0%	50%	85%	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	55%	19%	0%	21%	9%	75%	95%	96%	100%	0%	0%	0%	100%	100%	41%	0%	0%	0%	0%	0%	0%	28%	48%	34%
Operation	2%	6%	0%	29%	6%	0%	5%	4%	0%	11%	91%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	8%	47%	17%
Other	42%	75%	47%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	59%	0%	0%	0%	0%	0%	0%	0%	0%	49%
Vegetation/Animal	0%	0%	53%	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%	89%	9%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	64%	5%	0%
HARTMAN(4.16KV) - Customers: 696	16.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	346.2	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	346.2	2.0	1.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	100%	100%	0%	0%	0%	0%	0%	0%	0%	61%	49%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	61%	49%	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%	3%	1%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	1%	100%
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%	36%	49%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	36%	49%	0%
HIGHWAY(16KV) - Customers: 5,000	112.0	1.3	0.0	65.1	0.2	1.0	230.4	3.0	2.0	160.3	2.0	2.0	17.7	0.0	0.0	31.6	0.1	0.0	1.9	0.0	2.0	211.5	2.2	4.0
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	55%	19%	100%	48%	65%	0%	78%	66%	100%	1%	0%	0%	100%	100%	0%	84%	61%	0%	0%	0%	0%	22%	5%	0%
Operation	41%	78%	0%	52%	35%	0%	1%	1%	0%	0%	0%	0%	0%	0%	0%	16%	39%	0%	71%	87%	0%	3%	2%	0%
Other	2%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	0%	25%
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	2%	2%	0%	0%	0%	0%	21%	34%	0%	99%	100%	100%	0%	0%	0%	0%	0%	0%	29%	13%	50%	75%	94%	75%
HOSPITAL(4.16KV) - Customers: 706	128.3	1.0	0.0	54.4	1.1	1.9	274.5	2.3	0.0	0.0	0.0	0.0	4.3	0.0	0.0	0.9	0.1	0.0	0.0	0.0	0.0	5.2	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	99%	99%	0%	0%	0%	0%	99%	99%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	1%	1%	0%	6%	8%	0%	1%	1%	0%	0%	0%	0%	100%	100%	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%	52%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	94%	92%	48%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Reliability Histories for Individual Circuits Serving San Buenaventura (Ventura)

	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
LEXINGTON(4.16KV) - Customers: 557	0.5	0.0	1.0	0.0	0.0	1.0	90.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	2.6	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	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	100%	100%	0%
Operation	100%	100%	0%	0%	0%	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%	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%
LOMA VISTA(2.4KV) - Customers: 33	0.0	0.0	0.0	52.0	1.0	0.0	245.0	4.0	1.0	19.0	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
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%	87%	50%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%
Operation	0%	0%	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	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%	13%	50%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
MALOY(16KV) - Customers: 1,013	0.0	0.0	0.0	68.9	0.3	1.2	270.1	2.0	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.2	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%	63%	73%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	100%	100%	17%	37%	27%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	61%	50%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	39%	50%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	83%	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%
MAXSON(16KV) - Customers: 3,309	18.2	0.7	1.0	125.7	1.2	1.0	14.1	0.1	0.1	4.1	0.0	0.2	0.0	0.0	0.0	60.5	0.1	1.0	17.7	0.1	0.0	82.3	0.2	1.2
3rd Party	1%	0%	100%	47%	83%	0%	2%	2%	0%	53%	85%	67%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	18%	11%
Equipment Failure	7%	1%	0%	52%	17%	0%	19%	11%	0%	4%	1%	33%	0%	0%	0%	98%	83%	100%	2%	4%	0%	72%	23%	88%
Operation	88%	99%	0%	1%	0%	0%	60%	58%	0%	0%	0%	0%	0%	0%	0%	2%	17%	0%	98%	96%	100%	23%	56%	2%
Other	4%	1%	0%	0%	0%	0%	19%	29%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	1%	0%	0%	0%	0%	100%	0%	0%	0%	9%	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	34%	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	2%	0%

Reliability Histories for Individual Circuits Serving San Buenaventura (Ventura)

	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
MIDDLE ROAD(16KV) - Customers: 1,148	79.1	1.0	2.3	358.6	3.5	6.1	108.0	0.8	0.5	176.6	1.5	2.4	213.8	2.4	2.1	4.6	0.0	1.0	0.0	0.0	0.0	395.0	4.0	5.6
3rd Party	0%	0%	0%	13%	28%	0%	2%	1%	0%	0%	0%	0%	58%	56%	100%	0%	0%	0%	0%	0%	0%	32%	34%	38%
Equipment Failure	71%	75%	59%	18%	32%	33%	8%	2%	0%	73%	65%	81%	42%	44%	0%	100%	100%	100%	0%	0%	0%	56%	52%	53%
Operation	7%	5%	41%	51%	10%	15%	21%	13%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	19%	25%	10%	0%	27%	35%	19%	0%	0%	0%	0%	0%	0%	0%	0%	0%	12%	13%	8%
Vegetation/Animal	0%	1%	0%	0%	0%	16%	44%	73%	96%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	22%	19%	0%	17%	30%	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PEARCE(4.16KV) - Customers: 591	0.0	0.0	0.0	0.0	0.0	2.0	36.2	0.1	3.9	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	1.0	0.0	0.0	0.0	3.3	0.0	1.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100%
Equipment Failure	0%	0%	0%	0%	0%	0%	64%	46%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	0%	0%	0%	36%	54%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	100%	100%	0%
Other	0%	0%	0%	0%	0%	50%	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%	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%
PEDRO(16KV) - Customers: 684	102.8	1.1	1.7	93.5	1.6	1.1	33.1	1.0	1.0	84.8	0.0	1.9	84.2	2.1	2.7	0.0	0.0	0.0	0.0	0.0	0.0	169.1	2.2	4.7
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	51%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	21%
Equipment Failure	100%	100%	41%	100%	100%	100%	4%	0%	0%	0%	0%	0%	100%	100%	63%	0%	0%	0%	0%	0%	0%	50%	98%	37%
Operation	0%	0%	0%	0%	0%	0%	10%	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%	95%	100%	100%	49%	0%	0%	37%	0%	0%	0%	0%	0%	0%	50%	2%	42%
Vegetation/Animal	0%	0%	59%	0%	0%	0%	86%	98%	5%	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%
READY(16KV) - Customers: 2,633	157.1	0.3	1.0	12.3	0.0	1.0	171.7	1.5	1.0	0.0	0.0	0.9	1.1	0.0	0.9	145.0	1.0	0.0	10.1	0.2	0.0	156.3	1.2	1.9
3rd Party	1%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	76%	78%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	68%	68%	0%	61%	22%	0%	0%	0%	0%	57%	19%	0%
Operation	24%	16%	0%	100%	100%	0%	16%	26%	0%	100%	100%	100%	6%	16%	0%	21%	56%	0%	0%	0%	0%	20%	45%	50%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	26%	16%	100%	0%	0%	0%	0%	0%	0%	0%	0%	50%
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%	84%	74%	100%	0%	0%	0%	0%	0%	0%	18%	22%	0%	100%	100%	0%	23%	36%	0%

Reliability Histories for Individual Circuits Serving San Buenaventura (Ventura)

	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
RED MOUNTAIN(16KV) - Customers: 358	118.4	1.2	0.1	368.0	2.8	2.1	214.0	1.2	1.0	253.8	0.6	0.9	18.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	272.2	0.6	0.9
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%	73%	100%	0%	0%	0%	0%	0%	0%	84%	47%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	78%	45%	100%
Operation	0%	0%	0%	29%	26%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	2%	27%	0%	47%	32%	53%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	7%	3%	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%	25%	42%	47%	100%	100%	0%	16%	53%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	15%	52%	0%
RICARDO(16KV) - Customers: 2,686	10.0	0.0	1.0	15.1	0.1	4.1	33.1	0.1	2.0	73.8	0.1	1.9	15.4	0.1	1.0	6.3	0.0	0.0	6.9	0.0	0.0	102.5	0.3	2.8
3rd Party	0%	0%	0%	8%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	12%	21%	0%	58%	15%	49%	87%	63%	100%	4%	4%	0%	60%	66%	0%	0%	0%	0%	95%	67%	0%	19%	32%	0%
Operation	24%	23%	0%	33%	80%	2%	13%	37%	0%	1%	26%	0%	0%	0%	0%	59%	49%	0%	5%	33%	0%	5%	22%	0%
Other	65%	56%	0%	0%	0%	25%	0%	0%	0%	95%	69%	100%	40%	34%	100%	0%	0%	0%	0%	0%	0%	74%	39%	100%
Vegetation/Animal	0%	0%	100%	0%	0%	24%	0%	0%	0%	0%	0%	0%	0%	0%	0%	41%	51%	0%	0%	0%	0%	2%	7%	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%
RIVA(16KV) - Customers: 3,198	92.5	0.7	1.4	224.9	1.2	4.3	278.0	1.4	2.6	0.0	0.0	0.0	11.3	0.1	0.0	42.0	0.2	0.4	41.7	0.7	1.0	95.0	1.0	1.4
3rd Party	0%	0%	0%	48%	25%	12%	0%	0%	38%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	12%	8%	0%
Equipment Failure	66%	26%	0%	42%	40%	8%	90%	75%	24%	0%	0%	0%	0%	0%	0%	81%	59%	88%	0%	0%	0%	36%	10%	24%
Operation	33%	73%	0%	2%	2%	0%	5%	18%	0%	0%	0%	0%	0%	0%	0%	15%	15%	0%	0%	0%	0%	6%	3%	0%
Other	1%	1%	97%	1%	2%	32%	4%	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%	44%	74%	73%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	38%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	3%	6%	31%	49%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4%	26%	12%	0%	0%	0%	2%	5%	3%
ROEBUCK(4.16KV) - Customers: 978	10.2	0.0	0.0	305.4	0.7	1.5	133.2	1.2	1.0	15.6	0.0	0.0	0.0	0.0	0.0	362.8	1.0	0.0	0.0	0.0	0.0	378.4	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	0%	0%	0%	0%	0%	0%	97%	94%	100%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	96%	96%	0%
Operation	100%	100%	0%	100%	100%	32%	3%	6%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4%	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%	68%	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 San Buenaventura (Ventura)

	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
SALVADOR(16KV) - Customers: 2,606	135.4	0.3	1.0	0.0	0.0	1.0	191.4	2.1	0.6	0.0	0.0	0.0	0.1	0.0	1.0	0.0	0.0	0.0	26.9	0.4	0.8	27.0	0.4	1.8
3rd Party	0%	0%	0%	0%	0%	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%	94%	90%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	97%	98%	100%	96%	98%	43%
Operation	0%	0%	0%	0%	0%	0%	6%	10%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	3%	2%	0%	4%	2%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	57%
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%
SAN NICHOLAS(16KV) - Customers: 3,280	32.0	1.2	0.1	12.6	0.2	3.8	159.2	2.2	4.9	0.3	0.0	0.0	1.0	0.0	0.1	0.3	0.0	0.0	39.3	1.1	1.0	41.0	1.1	1.1
3rd Party	0%	0%	0%	85%	92%	21%	31%	46%	16%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	0%	0%	0%	1%	0%	41%	100%	100%	0%	0%	0%	0%	0%	0%	0%	94%	96%	0%	91%	95%	0%
Operation	100%	100%	100%	11%	5%	0%	2%	4%	0%	0%	0%	0%	100%	100%	0%	100%	100%	0%	6%	4%	0%	9%	5%	0%
Other	0%	0%	0%	0%	0%	26%	1%	0%	21%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100%	0%	0%	100%
Vegetation/Animal	0%	0%	0%	4%	3%	26%	0%	0%	21%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	26%	66%	49%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SEXTON(16KV) - Customers: 3,523	1.8	0.0	1.0	212.2	1.8	1.0	263.9	2.0	1.5	224.3	1.5	0.0	0.0	0.0	0.0	15.2	0.1	0.0	0.0	0.0	0.0	239.5	1.6	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%	6%	8%	0%	77%	74%	34%	52%	87%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	55%	88%	0%
Operation	100%	100%	100%	94%	92%	0%	2%	1%	0%	7%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	7%	3%	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%	21%	24%	66%	41%	11%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	39%	10%	0%
TELOMA(4.16KV) - Customers: 589	5.0	0.0	0.0	2.4	0.0	2.0	687.5	1.0	0.0	0.0	0.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	2.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	49%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	49%
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%	1%	1%	4%	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%	51%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	51%
Vegetation/Animal	0%	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%	50%	99%	96%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Reliability Histories for Individual Circuits Serving San Buenaventura (Ventura)

	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
TICO(16KV) - Customers: 2,004	23.3	0.1	1.0	222.7	3.3	3.6	69.5	1.0	1.0	212.2	0.9	1.9	4.0	0.1	0.0	147.7	2.1	1.5	2.6	0.0	0.0	366.6	3.1	3.4
3rd Party	0%	0%	0%	81%	95%	72%	0%	0%	0%	37%	43%	67%	0%	0%	0%	0%	0%	0%	0%	0%	0%	22%	12%	37%
Equipment Failure	54%	57%	0%	1%	0%	28%	6%	1%	0%	3%	0%	0%	0%	0%	0%	60%	47%	100%	100%	100%	0%	27%	34%	45%
Operation	43%	35%	0%	1%	1%	0%	0%	1%	0%	1%	1%	0%	73%	85%	0%	31%	5%	0%	0%	0%	0%	14%	6%	0%
Other	1%	2%	100%	3%	0%	0%	93%	99%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	2%	6%	0%	1%	0%	0%	0%	0%	100%	0%	0%	0%	27%	15%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	13%	3%	0%	0%	0%	0%	58%	55%	33%	0%	0%	0%	9%	47%	0%	0%	0%	0%	38%	48%	18%
VINEYARD(16KV) - Customers: 4,892	155.6	1.3	0.5	132.8	0.4	2.0	106.7	0.3	0.0	49.2	0.9	0.1	0.0	0.0	0.0	0.4	0.0	1.0	0.1	0.0	0.0	49.8	0.9	1.1
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	79%	81%	100%	86%	28%	0%	89%	92%	0%	60%	5%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	59%	5%	89%
Operation	21%	19%	0%	14%	72%	50%	0%	0%	0%	40%	95%	100%	0%	0%	0%	0%	0%	0%	100%	100%	0%	40%	94%	11%
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%	100%	100%	0%	0%	0%	0%	1%	1%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	11%	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%