



Circuit Reliability Review

Pico Rivera

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 Montebello District

Alhambra

East Los Angeles

El Monte

Los Angeles

Montebello

Monterey Park

North El Monte

Pico Rivera

Rosemead

South El Monte

South San Gabriel

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.

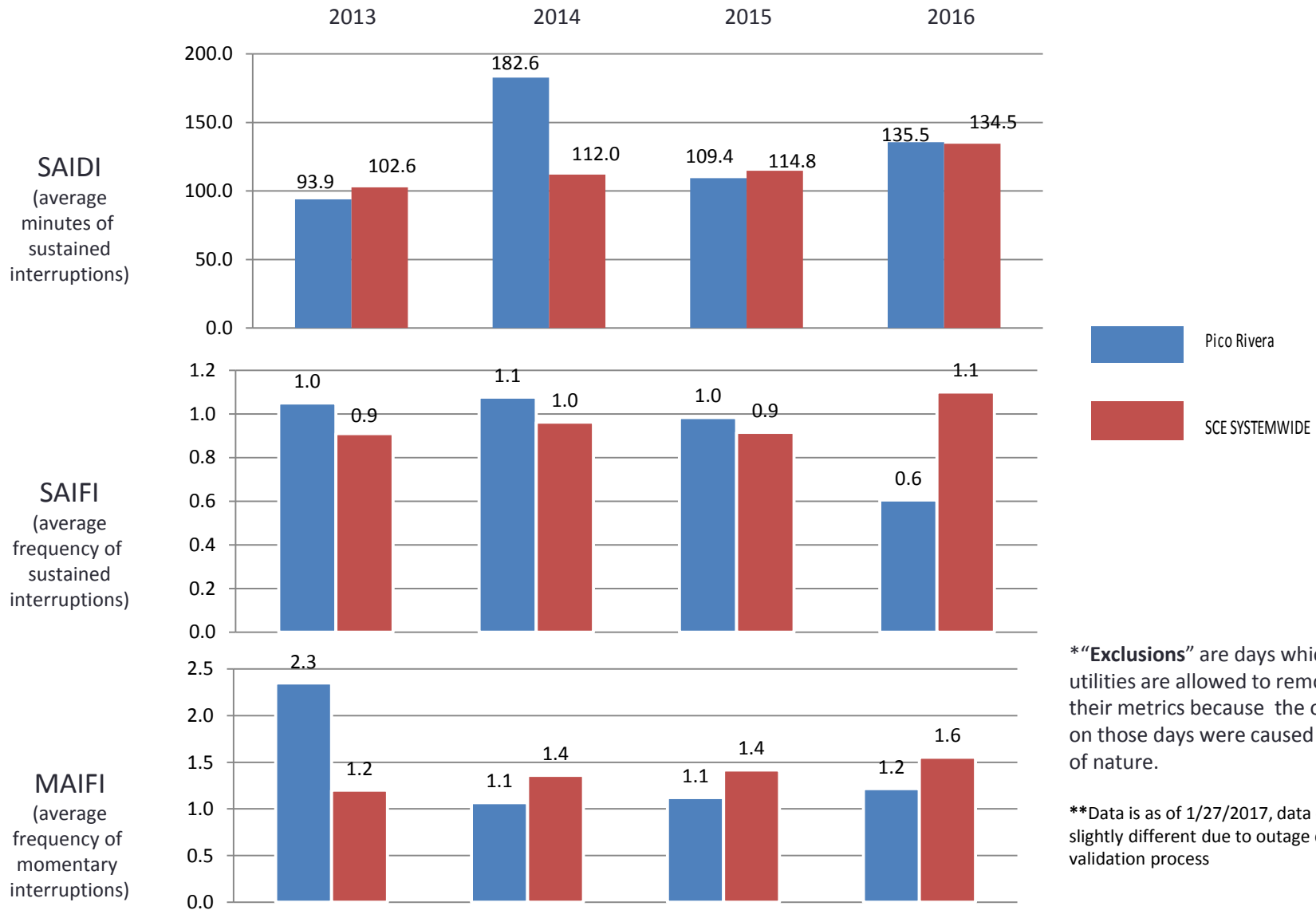
**In the columns showing "Rank," lower numbers indicate poorer performance.

Overview of Pico Rivera

There are 31 circuits that serve Pico Rivera

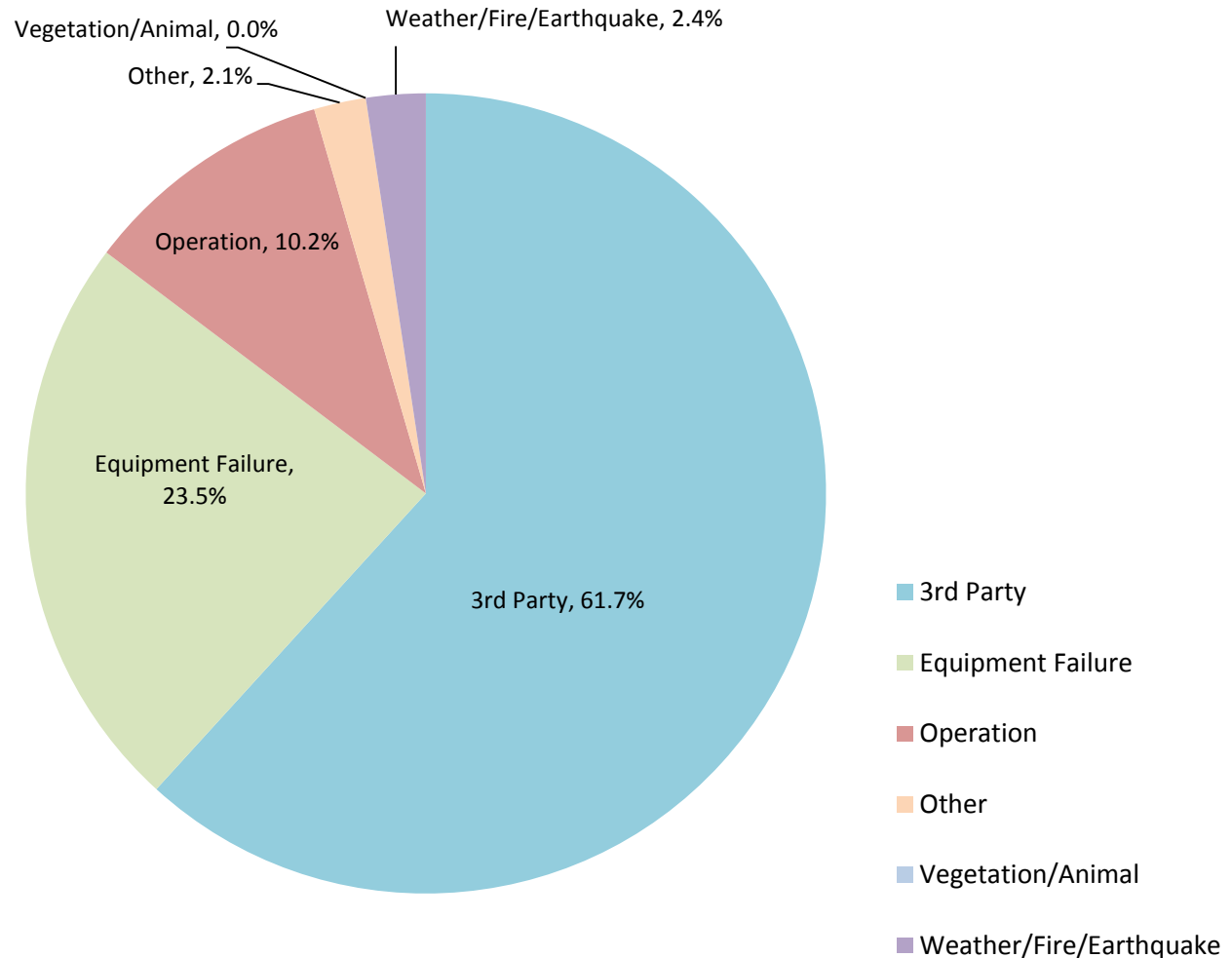
Circuit Type	Sum of Customers	Circuit Type	Sum of Customers	Circuit Type	Sum of Customers	Circuit Type	Sum of Customers
ASTON(12KV)	1,010	YORKTOWN(12KV)	2,196				
BALLARD(12KV)	2,000						
BEXLEY(4.16KV)	770						
BRONCO(12KV)	2,470						
CADILLAC(12KV)	407						
CHURCH(12KV)	1,591						
COFFEE(4.16KV)	651						
CORNWALL(12KV)	1,397						
CORVETTE(12KV)	257						
DECOSTA(12KV)	2,497						
DEUCE(12KV)	1,549						
DODGE(16KV)	2,074						
DURFEE(4.16KV)	721						
ESCAMILLA(12KV)	2,544						
GASPAR(12KV)	407						
JULEP(12KV)	100						
MAXINE(4.16KV)	628						
MILLERGROVE(12KV)	2,433						
PERKINS(12KV)	1,574						
REGINA(4.16KV)	875						
SANKA(4.16KV)	551						
SERAPIS(4.16KV)	630						
STAMPER(12KV)	981						
STOAKES(12KV)	230						
STUTZ(12KV)	2,424						
SUNGLOW(4.16KV)	846						
TOPEKA(4.16KV)	844						
TORPEDO(12KV)	1,634						
UNITY(4.16KV)	315						
VICKI(12KV)	1,269						
Grand Total	37,875						

Reliability History of Circuits Serving Pico Rivera (No Exclusions)



Causes of Repair Outages in Pico Rivera Circuits 2016 YTD

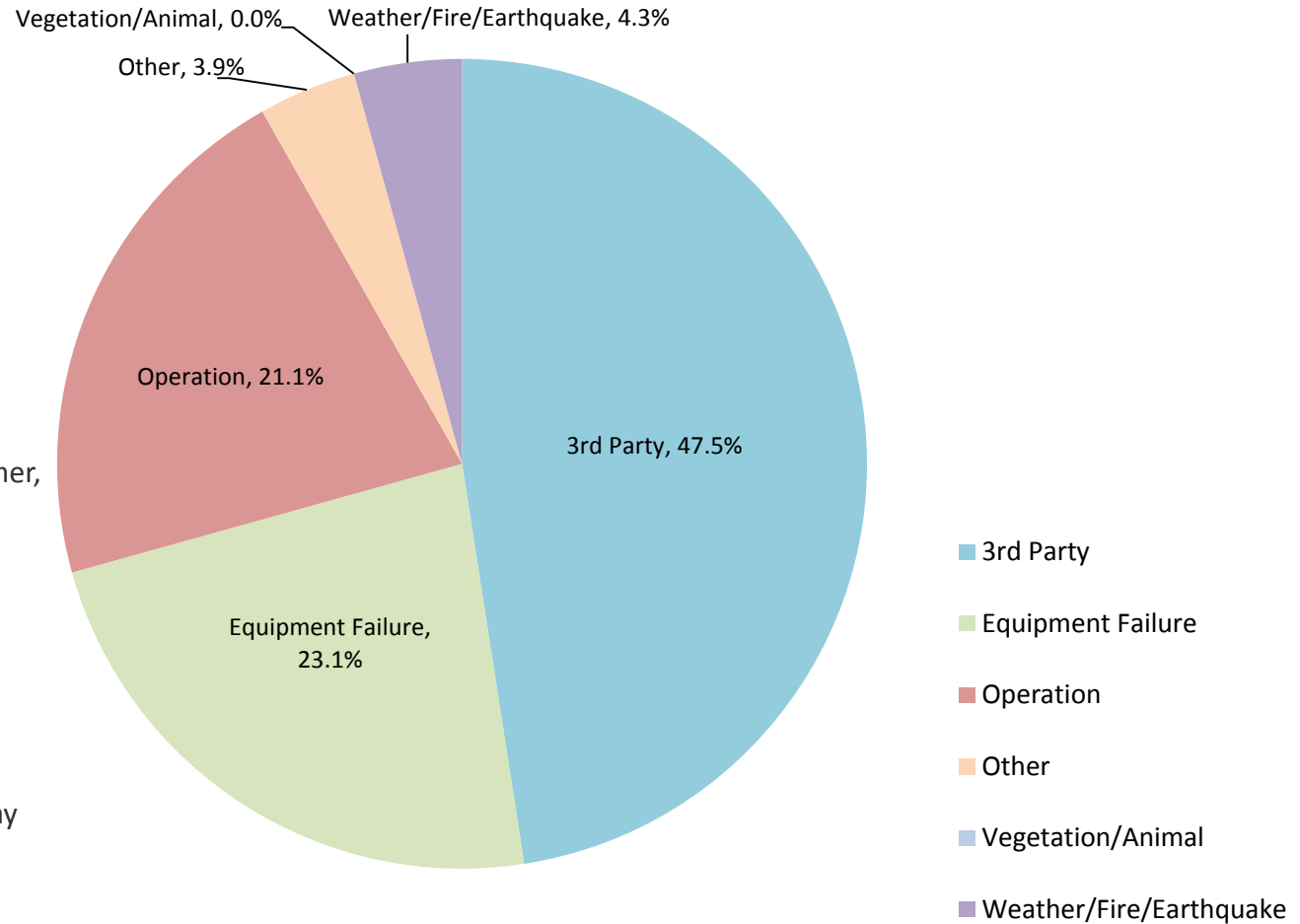
Contributions to SAIDI by Outage Cause



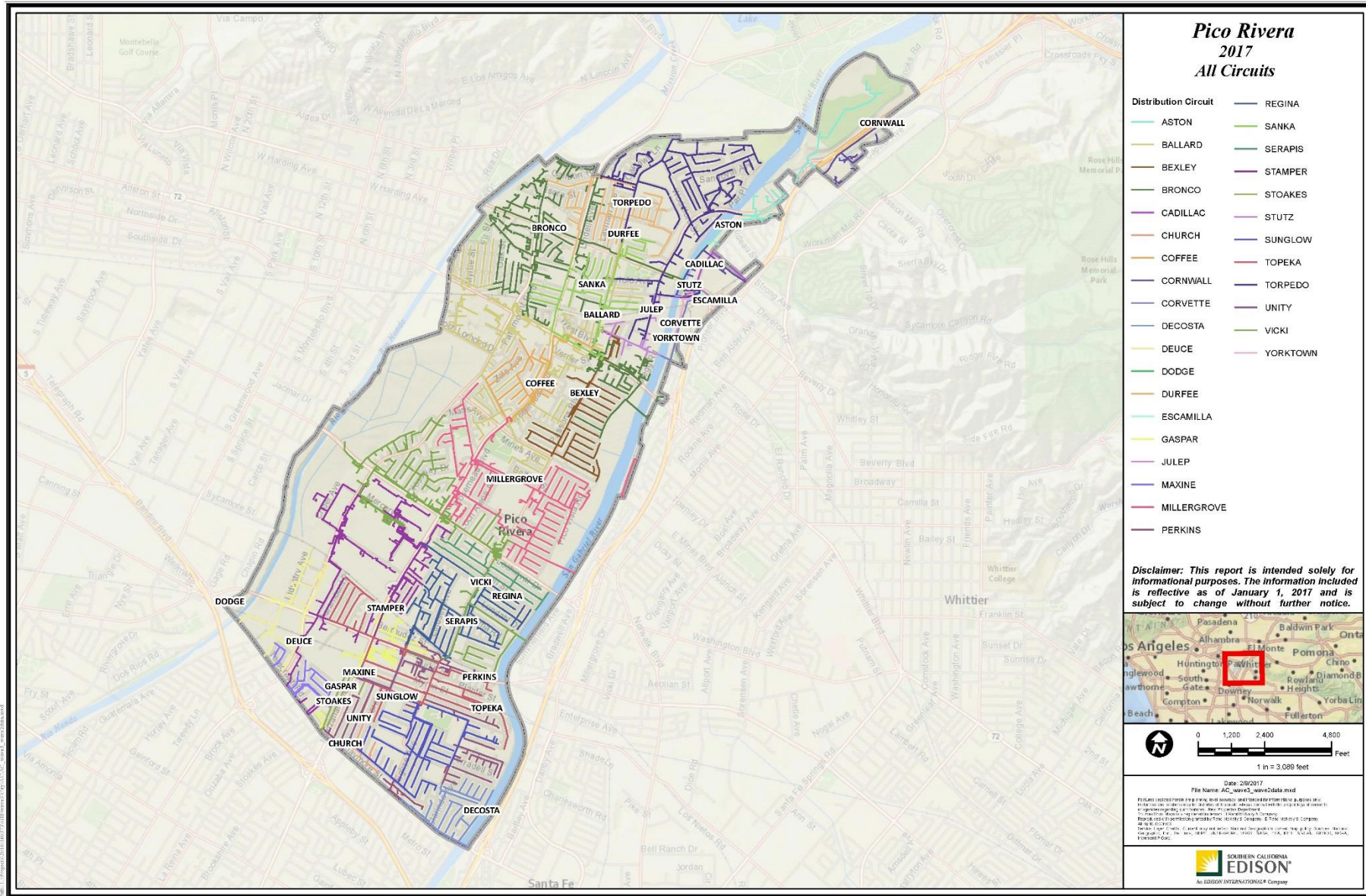
SAIDI = the cumulative amount of time the average customer is interrupted by “sustained” outages each year.

Causes of Repair Outages in Pico Rivera 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 Pico Rivera

Updated through Year-End 2016

Average Reliability of 31 Circuits Serving Pico Rivera

	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
Pico Rivera	93.9	1.0	2.3	182.6	1.1	1.1	109.4	1.0	1.1	56.0	0.1	0.3	38.3	0.2	0.2	27.7	0.2	0.3	13.5	0.1	0.5	135.5	0.6	1.2
3rd Party	59%	57%	44%	11%	16%	24%	14%	25%	37%	91%	62%	33%	45%	43%	74%	55%	63%	74%	0%	0%	5%	62%	48%	39%
Equipment Failure	28%	23%	29%	26%	25%	29%	37%	26%	34%	0%	0%	0%	31%	6%	0%	35%	31%	0%	76%	71%	69%	23%	23%	27%
Operation	11%	16%	0%	6%	19%	8%	25%	37%	4%	2%	15%	0%	24%	51%	8%	9%	4%	1%	10%	10%	0%	10%	21%	2%
Other	2%	1%	14%	53%	31%	21%	5%	5%	19%	1%	2%	67%	0%	0%	19%	2%	2%	25%	14%	18%	26%	2%	4%	33%
Vegetation/Animal	1%	3%	12%	3%	8%	17%	2%	1%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	16%	6%	0%	6%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	4%	0%
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 Pico Rivera

	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
ASTON(12KV) - Customers: 1,010	0.0	0.0	0.0	0.0	0.0	0.0	11.5	0.0	0.0	0.0	0.0	0.0	146.5	0.1	1.0	5.0	0.0	0.0	0.0	0.0	0.0	151.5	0.2	1.0
3rd Party	0%	0%	0%	0%	0%	0%	100%	100%	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%	97%	71%	0%	0%	0%	0%	0%	0%	0%	94%	53%	0%
Operation	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	29%	0%	100%	100%	0%	0%	0%	0%	6%	47%	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%	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%
BALLARD(12KV) - Customers: 2,000	163.8	1.6	2.5	673.6	2.4	1.6	66.7	0.4	2.3	145.4	1.0	0.0	1.2	0.1	0.0	0.0	0.0	0.0	25.4	0.3	0.7	172.0	1.4	0.7
3rd Party	36%	47%	30%	15%	42%	39%	0%	0%	0%	99%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	84%	70%	0%
Equipment Failure	63%	51%	70%	0%	0%	0%	66%	11%	60%	1%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%	15%	21%	100%
Operation	0%	1%	0%	2%	15%	0%	34%	89%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	1%	10%	0%
Other	0%	0%	0%	83%	43%	61%	0%	0%	40%	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%
BEXLEY(4.16KV) - Customers: 770	300.3	1.6	2.4	211.3	2.0	1.0	91.6	0.2	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3rd Party	41%	65%	81%	0%	0%	100%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	31%	49%	0%	98%	45%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	59%	35%	19%	4%	2%	0%	2%	55%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	66%	49%	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%
BRONCO(12KV) - Customers: 2,470	135.1	2.6	8.6	636.7	3.6	2.6	114.9	1.6	0.0	0.8	0.0	0.0	0.0	0.0	0.0	171.3	1.0	0.9	0.3	0.0	0.0	172.5	1.0	0.9
3rd Party	55%	39%	23%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	80%	92%	100%	0%	0%	0%	80%	91%	100%
Equipment Failure	39%	22%	65%	1%	0%	39%	73%	96%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%
Operation	6%	39%	0%	0%	10%	24%	1%	1%	0%	100%	100%	0%	0%	0%	0%	17%	4%	0%	0%	0%	0%	17%	5%	0%
Other	0%	0%	12%	91%	62%	0%	18%	2%	0%	0%	0%	0%	0%	0%	0%	3%	4%	0%	0%	0%	0%	3%	4%	0%
Vegetation/Animal	0%	0%	0%	7%	28%	37%	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%	8%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Reliability Histories for Individual Circuits Serving Pico Rivera

	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
CADILLAC(12KV) - Customers: 407	101.4	0.9	0.9	374.8	2.2	1.2	0.5	0.0	0.1	0.3	0.0	1.0	3.5	0.0	0.0	27.9	0.1	1.0	0.0	0.0	0.0	31.7	0.1	2.0
3rd Party	64%	93%	97%	0%	0%	0%	0%	0%	50%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	28%	0%
Equipment Failure	36%	6%	0%	74%	54%	100%	0%	0%	0%	0%	0%	0%	100%	100%	0%	78%	62%	0%	0%	0%	0%	80%	48%	0%
Operation	0%	0%	0%	2%	1%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	22%	38%	0%	0%	0%	0%	19%	25%	0%
Other	0%	0%	0%	25%	45%	0%	0%	0%	50%	0%	0%	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100%
Vegetation/Animal	0%	0%	3%	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%
CHURCH(12KV) - Customers: 1,591	9.4	0.1	0.0	38.0	0.1	0.0	45.0	0.1	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5	0.0	1.0	17.5	0.0	1.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	0%	0%	0%	84%	81%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	33%	86%	0%	100%	100%	0%	16%	19%	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%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%	100%	100%	100%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	67%	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
COFFEE(4.16KV) - Customers: 651	85.9	1.0	1.0	139.8	1.0	1.0	111.8	1.0	0.0	13.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	13.0	1.0	1.0
3rd Party	86%	97%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	14%	3%	0%	0%	0%	0%	19%	4%	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%	100%	100%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	100%	100%	100%
Other	0%	0%	0%	100%	100%	100%	81%	96%	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%
CORNWALL(12KV) - Customers: 1,397	267.0	3.9	3.4	226.1	0.3	0.0	53.0	0.8	0.3	0.0	0.0	0.0	264.7	1.2	0.0	0.9	0.0	0.0	2.7	0.0	0.0	268.3	1.2	0.0
3rd Party	73%	56%	88%	0%	0%	0%	62%	92%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	16%	1%	0%	99%	97%	0%	7%	1%	0%	0%	0%	0%	63%	9%	0%	100%	100%	0%	0%	0%	0%	63%	9%	0%
Operation	6%	27%	0%	1%	3%	0%	31%	7%	0%	0%	0%	0%	37%	91%	0%	0%	0%	0%	0%	0%	0%	36%	89%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	1%	2%	0%
Vegetation/Animal	5%	17%	12%	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%

Reliability Histories for Individual Circuits Serving Pico Rivera

	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
CORVETTE(12KV) - Customers: 257	72.7	1.0	1.0	62.7	1.0	0.0	187.4	1.0	0.8	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
3rd Party	100%	100%	100%	0%	0%	0%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%
Vegetation/Animal	0%	0%	0%	100%	100%	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%
DECOSTA(12KV) - Customers: 2,497	22.6	0.0	0.0	0.5	0.0	0.0	201.8	1.5	0.0	662.2	0.4	0.0	0.3	0.0	0.0	2.2	0.0	0.0	0.5	0.0	0.0	665.3	0.5	0.0
3rd Party	0%	0%	0%	0%	0%	0%	48%	68%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	99%	89%	0%
Equipment Failure	0%	0%	0%	0%	0%	0%	42%	20%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	100%	100%	0%	11%	11%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	5%	0%
Other	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	6%	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%
DEUCE(12KV) - Customers: 1,549	27.1	0.2	0.0	0.0	0.0	0.0	7.9	0.0	1.1	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
3rd Party	0%	0%	0%	0%	0%	0%	58%	95%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	9%	6%	0%	0%	0%	0%	42%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	91%	94%	0%	0%	0%	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%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
DODGE(16KV) - Customers: 2,074	157.6	1.2	3.0	133.5	1.2	0.8	400.4	2.1	5.0	13.0	0.0	0.0	84.3	0.1	0.0	0.0	0.0	1.0	42.3	0.1	3.0	139.6	0.2	4.0
3rd Party	11%	3%	33%	24%	80%	0%	17%	49%	60%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	79%	90%	34%	53%	8%	0%	3%	1%	40%	0%	0%	0%	10%	37%	0%	0%	0%	0%	99%	94%	100%	36%	49%	75%
Operation	7%	2%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	90%	63%	0%	0%	0%	0%	0%	0%	0%	64%	49%	0%
Other	2%	4%	34%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	25%
Vegetation/Animal	1%	1%	0%	23%	12%	100%	4%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	6%	0%	0%	2%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	76%	48%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Reliability Histories for Individual Circuits Serving Pico Rivera

	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
DURFEE(4.16KV) - Customers: 721	74.2	1.0	1.0	139.5	1.0	0.0	18.5	0.1	1.0	0.0	0.0	0.0	226.2	0.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	226.2	0.3	0.7
3rd Party	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	90%	86%	100%	0%	0%	0%	0%	0%	0%	90%	86%	100%
Equipment Failure	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	9%	6%	0%	0%	0%	0%	0%	0%	0%	9%	6%	0%
Operation	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	1%	8%	0%	0%	0%	0%	0%	0%	0%	1%	8%	0%
Other	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
ESCAMILLA(12KV) - Customers: 2,544	131.7	2.0	3.9	167.8	1.7	1.0	96.5	1.1	1.0	0.0	0.0	0.0	11.4	0.0	0.0	3.9	0.0	0.0	6.9	0.0	1.0	22.3	0.0	1.0
3rd Party	56%	51%	26%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	44%	49%	25%	80%	87%	100%	0%	0%	0%	0%	0%	0%	100%	100%	0%	100%	100%	0%	100%	100%	0%	100%	100%	0%
Operation	0%	0%	0%	20%	13%	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%	100%	0%	0%	100%
Vegetation/Animal	0%	0%	49%	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%
GASPAR(12KV) - Customers: 407	0.0	0.0	0.0	0.0	0.0	0.0	104.4	0.3	1.0	14.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.8	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	0%	0%	0%	0%	0%	0%	84%	74%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	0%	0%	0%	16%	26%	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%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
JULEP(12KV) - Customers: 100	74.0	1.0	1.0	240.0	2.0	0.1	0.0	0.0	1.0	0.0	0.0	0.0	8.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.6	0.0	0.0
3rd Party	100%	100%	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%
Equipment Failure	0%	0%	0%	42%	50%	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%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	58%	50%	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 Pico Rivera

	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
MAXINE(4.16KV) - Customers: 628	3.2	0.0	0.0	0.0	0.0	3.0	136.9	1.6	0.0	0.0	0.0	5.9	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8
3rd Party	0%	0%	0%	0%	0%	67%	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%	20%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	0%	0%	0%	77%	97%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	33%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	3%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
MILLERGROVE(12KV) - Customers: 2,433	10.8	0.0	4.0	39.5	1.2	2.0	18.6	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	1.0	28.0	0.1	1.9	28.3	0.1	2.9
3rd Party	0%	0%	50%	8%	0%	50%	37%	98%	100%	0%	0%	0%	0%	0%	0%	100%	100%	100%	0%	0%	0%	1%	5%	34%
Equipment Failure	0%	0%	0%	40%	9%	50%	57%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	89%	49%	100%	88%	46%	66%
Operation	100%	100%	0%	25%	81%	0%	5%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	11%	51%	0%	11%	48%	0%
Other	0%	0%	50%	27%	9%	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%
PERKINS(12KV) - Customers: 1,574	37.9	0.1	0.0	0.0	0.0	0.0	15.3	0.0	2.0	0.0	0.0	2.0	187.3	1.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	187.3	1.5	3.0
3rd Party	0%	0%	0%	0%	0%	0%	58%	66%	100%	0%	0%	100%	100%	100%	100%	0%	0%	0%	0%	0%	0%	100%	100%	100%
Equipment Failure	0%	0%	0%	0%	0%	0%	42%	34%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
REGINA(4.16KV) - Customers: 875	10.5	0.0	1.0	99.4	2.0	0.0	121.2	1.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	4.5	0.0	1.1	0.0	0.0	0.0	4.5	0.0	1.1
3rd Party	0%	0%	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	88%	0%	0%	0%	0%	0%	88%
Equipment Failure	100%	100%	0%	50%	49%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	50%	51%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	100%	100%	12%	0%	0%	0%	100%	100%	12%
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 Pico Rivera

	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
SANKA(4.16KV) - Customers: 551	75.4	1.0	3.0	140.4	1.0	2.0	9.4	0.1	1.8	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	71.9	0.9	0.8	73.3	0.9	0.8
3rd Party	98%	99%	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%	32%	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	2%	1%	0%	0%	0%	0%	68%	87%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	4%	2%	0%	6%	4%	0%
Other	0%	0%	0%	100%	100%	100%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	96%	98%	100%	94%	96%	100%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SERAPIS(4.16KV) - Customers: 630	2.0	0.0	0.0	186.4	1.0	0.9	201.8	3.4	0.0	22.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	22.3	0.1	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%	100%	100%	100%	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%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
STAMPER(12KV) - Customers: 981	2.3	0.1	1.1	75.2	1.0	0.0	258.6	3.0	1.0	125.6	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	125.6	1.0	0.0
3rd Party	0%	0%	0%	0%	0%	0%	32%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	100%	100%	100%	100%	100%	0%	34%	34%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	0%	0%	0%	1%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	33%	33%	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%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%
STOAKES(12KV) - Customers: 230	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.0	0.0	4.2	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%	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%	100%	100%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Reliability Histories for Individual Circuits Serving Pico Rivera

	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
STUTZ(12KV) - Customers: 2,424	79.2	1.1	3.0	33.0	0.1	2.1	42.3	0.1	1.0	0.0	0.0	0.0	8.7	0.0	0.0	95.7	1.0	0.0	1.8	0.0	0.0	106.3	1.1	0.0
3rd Party	94%	95%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	90%	94%	0%
Equipment Failure	1%	1%	0%	42%	17%	46%	60%	36%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	4%	4%	0%	27%	24%	7%	5%	20%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	100%	100%	0%	10%	6%	0%
Other	0%	0%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	2%	1%	33%	0%	0%	47%	35%	44%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	31%	59%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SUNGLOW(4.16KV) - Customers: 846	138.6	1.5	0.1	0.0	0.0	1.0	139.4	2.3	2.0	0.0	0.0	0.0	9.2	0.0	1.0	48.7	0.1	0.0	0.0	0.0	1.0	57.8	0.2	2.0
3rd Party	100%	100%	0%	0%	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100%	0%	0%	100%
Equipment Failure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	97%	86%	0%	0%	0%	0%	81%	71%	0%
Operation	0%	0%	100%	0%	0%	0%	100%	100%	0%	0%	0%	0%	100%	100%	0%	3%	14%	0%	0%	0%	0%	19%	29%	0%
Other	0%	0%	0%	0%	0%	100%	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%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
TOPEKA(4.16KV) - Customers: 844	0.0	0.0	0.0	1.7	0.0	2.0	110.7	1.3	1.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	0.2	1.5	0.0	0.0	0.0	9.1	0.2	1.5
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	100%	100%	100%	0%	0%	0%	100%	100%	100%
Equipment Failure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	100%	100%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	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%	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%
TORPEDO(12KV) - Customers: 1,634	62.7	1.5	0.7	0.0	0.0	1.0	5.6	0.0	0.9	0.0	0.0	0.0	135.4	1.0	0.8	0.5	0.0	0.0	117.5	1.1	0.0	253.4	2.1	0.8
3rd Party	88%	50%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	97%	23%	100%	0%	0%	0%	0%	0%	0%	52%	11%	100%
Equipment Failure	0%	0%	0%	0%	0%	0%	31%	20%	100%	0%	0%	0%	0%	0%	0%	100%	100%	0%	89%	94%	0%	41%	48%	0%
Operation	12%	50%	0%	0%	0%	0%	69%	80%	0%	0%	0%	0%	3%	77%	0%	0%	0%	0%	11%	6%	0%	7%	41%	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%	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 Pico Rivera

	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
UNITY(4.16KV) - Customers: 315	2.2	0.0	0.0	0.0	0.0	0.0	465.7	5.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	0%	0%	0%	52%	9%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	100%	100%	0%	0%	0%	0%	34%	77%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	13%	15%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
VICKI(12KV) - Customers: 1,269	11.3	0.1	0.0	432.2	2.7	2.2	423.0	2.3	0.3	0.0	0.0	0.0	10.0	0.1	0.0	0.0	0.0	0.0	8.9	0.0	0.0	18.9	0.1	0.0
3rd Party	0%	0%	0%	50%	21%	37%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	9%	2%	0%	29%	38%	25%	89%	98%	100%	0%	0%	0%	51%	67%	0%	0%	0%	0%	0%	0%	0%	27%	40%	0%
Operation	91%	98%	0%	21%	41%	38%	11%	2%	0%	0%	0%	0%	49%	33%	0%	0%	0%	0%	100%	100%	0%	73%	60%	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%
YORKTOWN(12KV) - Customers: 2,196	199.2	1.6	3.6	164.7	0.5	0.6	7.0	0.0	1.0	0.0	0.0	1.0	0.0	0.0	1.0	141.8	1.1	0.0	0.0	0.0	0.0	141.8	1.1	2.0
3rd Party	94%	87%	72%	28%	71%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	50%
Equipment Failure	5%	12%	0%	65%	17%	0%	80%	75%	100%	0%	0%	0%	0%	0%	0%	97%	95%	0%	0%	0%	0%	97%	95%	0%
Operation	0%	0%	0%	6%	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	5%	0%	0%	0%	0%	3%	5%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%
Vegetation/Animal	1%	1%	28%	1%	3%	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%	20%	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Reliability Histories for Individual Circuits Serving Pico Rivera

Reliability Histories for Individual Circuits Serving Pico Rivera

Reliability Histories for Individual Circuits Serving Pico Rivera

Reliability Histories for Individual Circuits Serving Pico Rivera

Reliability Histories for Individual Circuits Serving Pico Rivera

Reliability Histories for Individual Circuits Serving Pico Rivera

Reliability Histories for Individual Circuits Serving Pico Rivera

Reliability Histories for Individual Circuits Serving Pico Rivera

Reliability Histories for Individual Circuits Serving Pico Rivera

Reliability Histories for Individual Circuits Serving Pico Rivera

Reliability Histories for Individual Circuits Serving Pico Rivera

Reliability Histories for Individual Circuits Serving Pico Rivera

Reliability Histories for Individual Circuits Serving Pico Rivera

Reliability Histories for Individual Circuits Serving Pico Rivera

Reliability Histories for Individual Circuits Serving Pico Rivera

Reliability Histories for Individual Circuits Serving Pico Rivera

Reliability Histories for Individual Circuits Serving Pico Rivera

Reliability Histories for Individual Circuits Serving Pico Rivera

Reliability Histories for Individual Circuits Serving Pico Rivera

Reliability Histories for Individual Circuits Serving Pico Rivera

Reliability Histories for Individual Circuits Serving Pico Rivera