

Circuit Reliability Review Moorpark

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

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 Thousand Oaks District

Agoura Hills

Calabasas

Casa Conejo

Hidden Hills

Los Angeles

Malibu

Moorpark

Oak Park

Simi Valley

Thousand Oaks

Westlake Village

Reliability by SCE District (No Exclusions)

	2012					20:	13			20	14			20	15		2016					
	District	SAIDI	District	SAIFI																		
District Name	SAIDI	RANKING	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			

^{*&}quot;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.

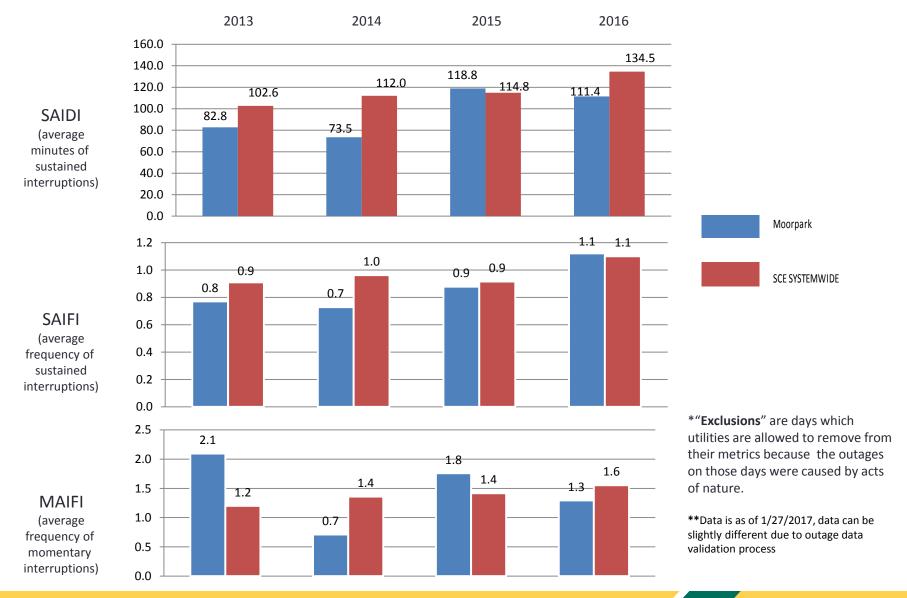
^{**}In the columns showing "Rank," lower numbers indicate poorer performance.

Overview of Moorpark There are 10 circuits that serve Moorpark

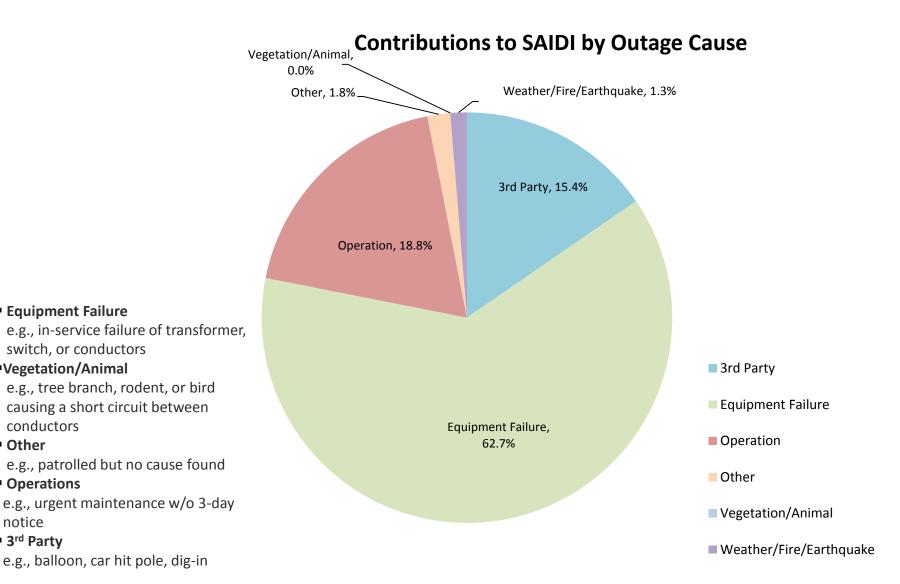
Circuit Type	Sum of Customers	Circuit Type	Sum of Customers	Circuit Type	Sum of Customers	Circuit Type	Sum of Customers
ANTON(16KV)	285						
BRENNAN(16KV)	2,495						
COLLINS(16KV)	2,261						
ENCHANTED(16KV)	382						
EVERETT(16KV)	2,064						
GABBERT(16KV)	1,467						
JANSS(16KV)	3,443						
MORGANSTEIN(16KV)	2,046						
STRATHERN(16KV)	2,661						
ZONE(16KV)	938						

Grand Total 18,042

Reliability History of Circuits Serving Moorpark (No Exclusions)



Causes of Repair Outages in Moorpark Circuits 2016 YTD



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

Equipment Failure

conductors

Operations

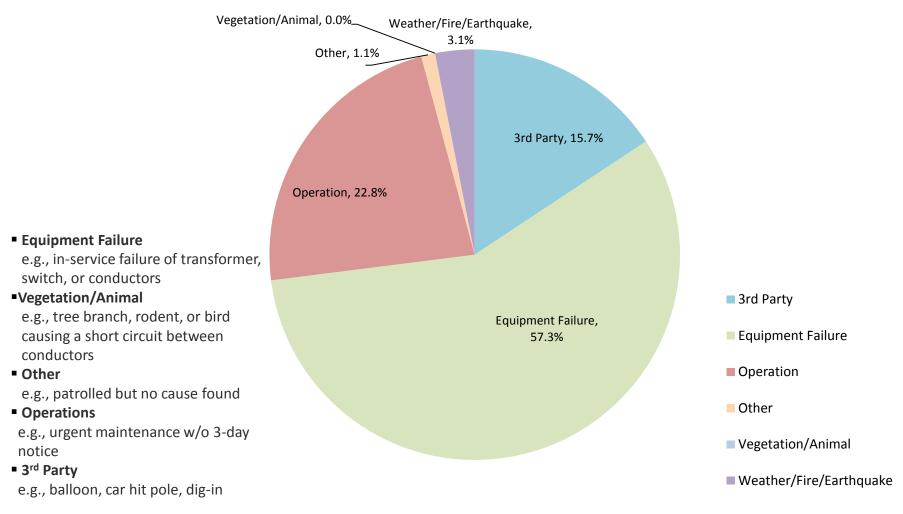
Other

notice ■ 3rd Party

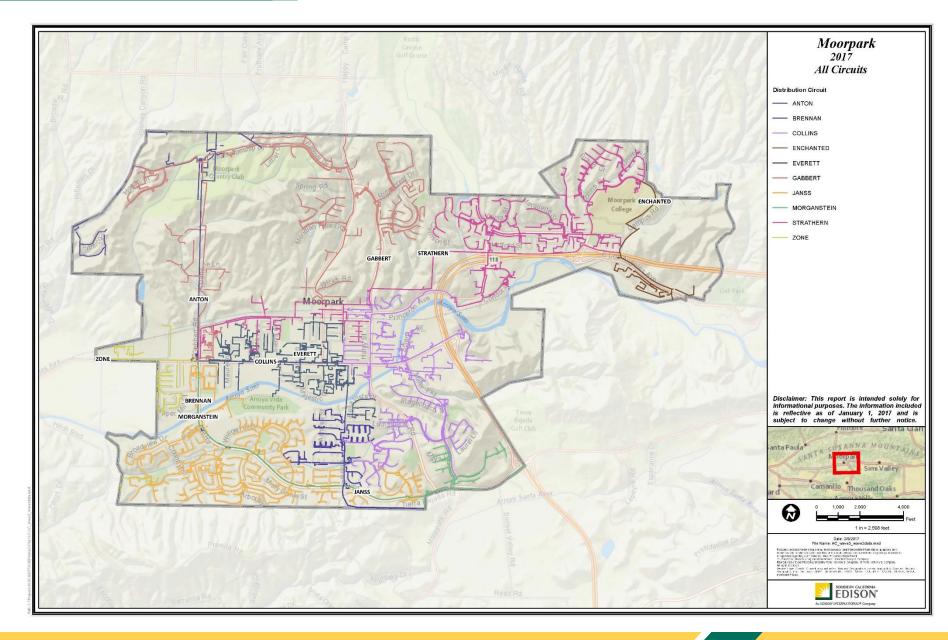
switch, or conductors ■Vegetation/Animal

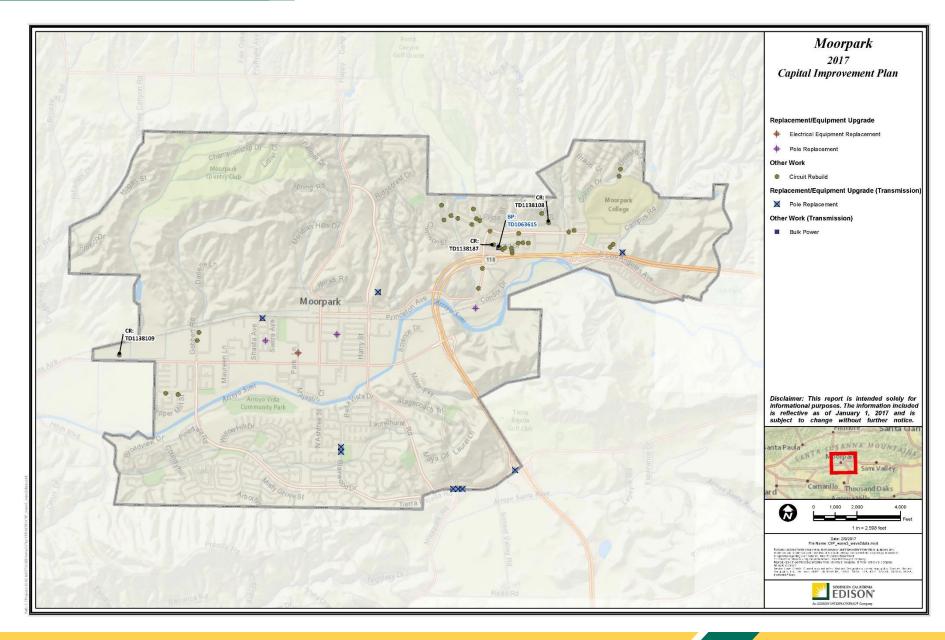
Causes of Repair Outages in Moorpark Circuits 2016 YTD

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 Moorpark

Updated through Year-End 2016

Average Reliability of 10 Circuits Serving Moorpark

	2013			2014				2015		1st	Qtr 20	16	2nc	Qtr 2	016	3rd	Qtr 20	016	4tl	Qtr 2	016	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
Moorpark	82.8	0.8	2.1	73.5	0.7	0.7	118.8	0.9	1.8	6.7	0.1	0.6	55.6	0.5	0.1	24.9	0.3	0.5	24.2	0.2	0.1	111.4	1.1	1.3
3rd Party	12%	30%	3%	0%	0%	17%	13%	19%	19%	0%	0%	0%	22%	27%	0%	20%	17%	0%	0%	0%	0%	15%	16%	0%
Equipment Failure	46%	32%	41%	56%	45%	29%	68%	50%	26%	48%	74%	38%	76%	72%	100%	16%	12%	1%	85%	77%	70%	63%	57%	32%
Operation	11%	6%	46%	10%	8%	1%	16%	29%	0%	50%	25%	23%	2%	1%	0%	64%	70%	96%	3%	3%	0%	19%	23%	46%
Other	27%	31%	10%	32%	46%	49%	0%	0%	27%	2%	1%	38%	1%	0%	0%	0%	0%	1%	6%	5%	14%	2%	1%	19%
Vegetation/Animal	0%	0%	0%	0%	0%	4%	0%	0%	28%	0%	0%	0%	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	1%
Weather/Fire/Earthquake	4%	1%	0%	2%	0%	0%	3%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	6%	15%	16%	1%	3%	2%
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 Moorpark

	2013				2014			2015		1st	Qtr 20	16	2nc	d Qtr 20	16	3rd	Qtr 20	16	4th	Qtr 20	16		2016	
	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI I	VIAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI
ANTON(16KV) - Customers: 285	256.8	2.4	2.5	86.8	0.2	0.0	327.8	1.8	2.6	77.0	1.1	0.7	2.2	0.0	0.0	42.4	0.3	0.8	13.7	0.1	1.2	135.3	1.5	2.7
3rd Party	0%	0%	0%	0%	0%	0%	10%	30%	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	14%	24%	61%	77%	62%	0%	10%	4%	0%	88%	93%	67%	0%	0%	0%	100%	100%	34%	18%	3%	0%	83%	85%	27%
Operation	1%	1%	39%	0%	0%	0%	2%	2%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	2%	3%	0%
Other	79%	73%	0%	23%	38%	0%	3%	2%	55%	12%	7%	7%	0%	0%	0%	0%	0%	0%	66%	71%	89%	13%	10%	41%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	1%	1%	20%	0%	0%	0%	0%	0%	0%	0%	0%	66%	0%	0%	0%	0%	0%	20%
Weather/Fire/Earthquake	6%	3%	0%	0%	0%	0%	74%	63%	17%	0%	0%	26%	0%	0%	0%	0%	0%	0%	16%	26%	11%	2%	2%	11%
BRENNAN(16KV) - Customers: 2,495	0.0	0.0	3.0	75.6	1.0	0.0	27.6	0.1	0.0	0.6	0.0	0.0	23.0	0.1	0.0	19.6	0.2	0.0	93.5	0.8	0.0	136.7	1.2	0.1
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	0%	0%	33%	0%	0%	0%	58%	44%	0%	0%	0%	0%	74%	80%	0%	100%	100%	0%	100%	100%	100%	95%	95%	55%
Operation	0%	0%	33%	0%	0%	0%	42%	56%	0%	100%	100%	100%	26%	20%	0%	0%	0%	0%	0%	0%	0%	5%	5%	45%
Other	0%	0%	33%	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%
COLLINS(16KV) - Customers: 2,261	101.4	1.2	1.0	54.7	1.0	0.0	20.7	0.4	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0
3rd Party	65%	81%	1%	0%	0%	0%	15%	23%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	18%	11%	0%	100%	100%	100%	85%	77%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	17%	7%	99%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100%
Other	0%	0%	0%	0%	0%	0%	0%	0%	67%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	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%
ENCHANTED(16KV) - Customers: 382	0.0	0.0	1.0	298.4	1.7	1.0	0.0	0.0	0.9	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	30.5	0.8	0.2	30.5	0.8	1.2
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	98%	99%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%	100%	100%	13%
Operation	0%	0%	0%	2%	1%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	87%
Other	0%	0%	100%	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%	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 Moorpark

	2013 SAIDI SAIFI MAIFI S				2014			2015		151	t Qtr 20	016	2nd	d Qtr 20	016	3ra	Qtr 20	016	4th	Qtr 20	16		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
EVERETT(16KV) - Customers: 2,064	10.3	0.1	1.0		0.1	0.0	15.7	0.1	0.0	0.6	0.0	1.0	62.7	0.5	0.0	2.7	0.0	0.0	3.7	0.0	0.0	69.7	0.5	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%	83%	87%	0%	100%	100%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	90%	92%	0%
Operation	27%	50%	100%	17%	13%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	5%	3%	0%
Other	73%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	100%	100%	0%	5%	5%	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%
GABBERT(16KV) - Customers: 1,467	22.8	1.0	0.9	57.4	0.9	0.4	4.2	0.0	0.0	21.2	1.0	0.9	0.0	0.0	0.0	11.1	0.1	0.0	9.2	0.1	1.0	41.4	1.2	1.9
3rd Party	99%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	1%	0%	0%	100%	100%	100%	0%	0%	0%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100%	51%	86%	100%
Operation	0%	0%	100%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	100%	100%	0%	49%	14%	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%
JANSS(16KV) - Customers: 3,443	120.4	0.7	2.4	11.8	0.1	0.0	184.4	1.7	1.9	12.2	0.1	0.0	50.2	0.5	0.5	76.8	1.1	1.8	21.6	0.1	0.0	160.9	1.8	2.2
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	73%	81%	58%	63%	47%	0%	66%	39%	100%	0%	0%	0%	100%	100%	100%	0%	0%	0%	100%	100%	0%	45%	37%	21%
Operation	27%	19%	42%	37%	53%	0%	34%	61%	0%	100%	100%	0%	0%	0%	0%	100%	100%	100%	0%	0%	0%	55%	63%	79%
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%
MORGANSTEIN(16KV) - Customers: 2,046	232.3	2.4	3.1	148.5	2.1	4.1	20.4	0.1	4.7	9.4	0.1	1.0	108.7	1.1	0.0	4.6	0.0	0.0	0.2	0.0	0.0	122.9	1.2	1.0
3rd Party	0%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%	0%	91%	96%	0%	0%	0%	0%	0%	0%	0%	81%	85%	0%
Equipment Failure	29%	28%	67%	11%	11%	4%	68%	39%	0%	45%	13%	0%	6%	3%	0%	93%	93%	0%	55%	60%	0%	12%	7%	0%
Operation	0%	0%	33%	19%	8%	0%	30%	60%	0%	55%	87%	0%	0%	0%	0%	7%	7%	0%	0%	0%	0%	5%	7%	0%
Other	63%	70%	0%	70%	80%	71%	0%	0%	12%	0%	0%	100%	2%	1%	0%	0%	0%	0%	45%	40%	0%	2%	1%	100%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	2%	0%	88%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	8%	2%	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 Moorpark

		2013			2014			2015		1 s	t Qtr 20	16	2n	d Qtr 20	16	3rd	Qtr 20	016	4th	Qtr 20	016		2016	
	SAIDI	SAIFI N	VIAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI I	VIAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI I	MAIFI
STRATHERN(16KV) - Customers: 2,661	20.5	0.1	2.0	75.5	0.4	1.1	279.1	2.1	2.6	1.9	0.0	1.7	149.7	1.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	151.8	1.1	1.8
3rd Party	0%	0%	0%	0%	0%	0%	35%	48%	60%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	59%	63%	51%	78%	58%	94%	63%	48%	0%	0%	0%	57%	100%	100%	0%	0%	0%	0%	0%	0%	0%	99%	98%	57%
Operation	13%	30%	49%	22%	42%	6%	2%	4%	0%	100%	100%	43%	0%	0%	0%	100%	100%	0%	0%	0%	0%	1%	2%	43%
Other	0%	0%	0%	0%	0%	0%	0%	0%	40%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	28%	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
ZONE(16KV) - Customers: 938	177.5	1.5	3.1	219.7	0.7	0.1	474.2	2.4	1.8	0.0	0.0	0.0	17.9	0.2	0.0	96.1	1.0	0.1	87.9	1.0	0.3	201.9	2.2	0.5
3rd Party	17%	66%	32%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	99%	100%	0%	0%	0%	0%	56%	53%	0%
Equipment Failure	78%	30%	3%	85%	89%	0%	88%	88%	100%	0%	0%	0%	0%	0%	0%	1%	0%	0%	47%	26%	0%	21%	12%	0%
Operation	1%	2%	32%	5%	2%	0%	12%	11%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	3%	2%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	22%	11%	0%	9%	5%	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	0%	0%	0%	10%	9%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	31%	63%	100%	14%	29%	75%