



Circuit Reliability Review

Wildomar

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 Wildomar District

Aguanga

Canyon Lake

El Cerrito

Lake Elsinore

Lakeland Village

Meadowbrook

Murrieta

Temecula

Wildomar

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.

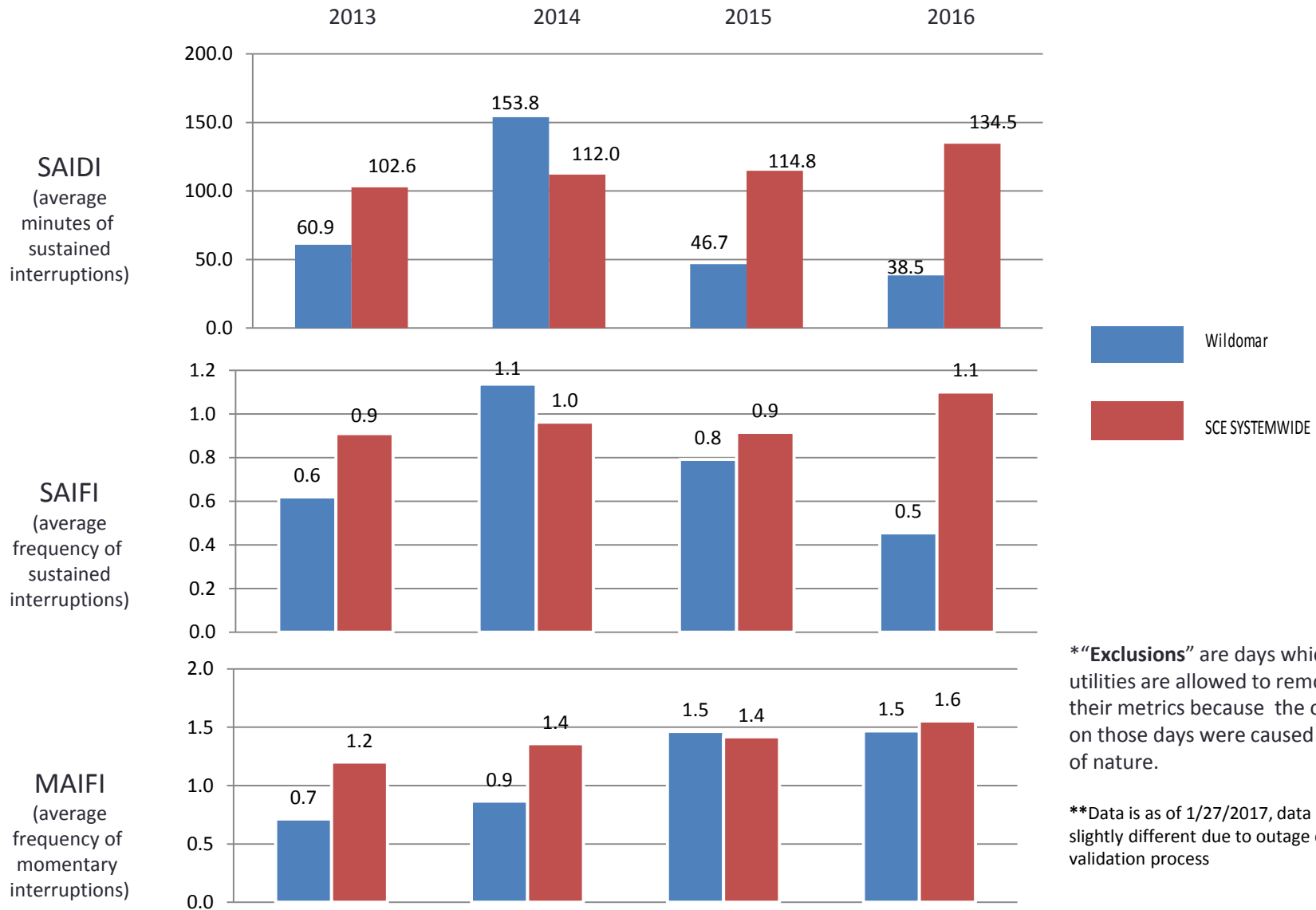
Overview of Wildomar

There are 22 circuits that serve Wildomar

Circuit Type	Sum of Customers	Circuit Type	Sum of Customers	Circuit Type	Sum of Customers	Circuit Type	Sum of Customers
ARCHIE(33KV)	2						
ARIEL(12KV)	950						
BABYLON(12KV)	1,218						
BEARCREEK(12KV)	258						
BODKIN(12KV)	657						
BUNDY(12KV)	1,846						
CATT(12KV)	1,244						
CEREAL(12KV)	1,571						
CORINTH(12KV)	1,521						
DOROF(12KV)	1,389						
FULLBACK(12KV)	1,490						
GRUWELL(12KV)	1,017						
GUFFY(12KV)	1,351						
HARWOOD(12KV)	1,513						
HELENKA(12KV)	1,174						
JERUSALEM(12KV)	1,715						
LEON(12KV)	1,942						
NUTMEG(12KV)	1,023						
ROCKRIDGE(12KV)	828						
STONEMAN(12KV)	1,509						
WAITE(12KV)	1,750						
WILDOMAR(33KV)	2						

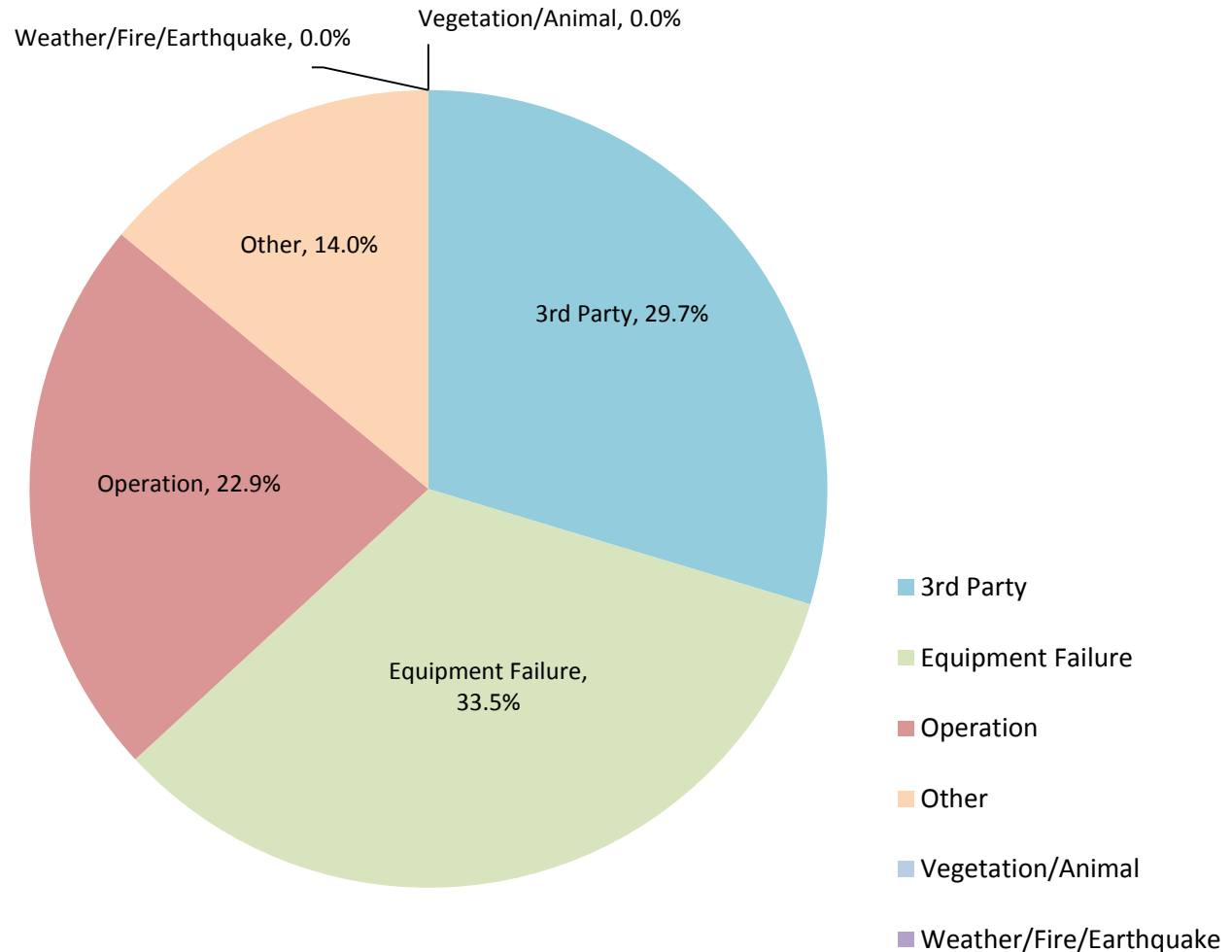
Grand Total 25,970

Reliability History of Circuits Serving Wildomar (No Exclusions)



Causes of Repair Outages in Wildomar Circuits 2016 YTD

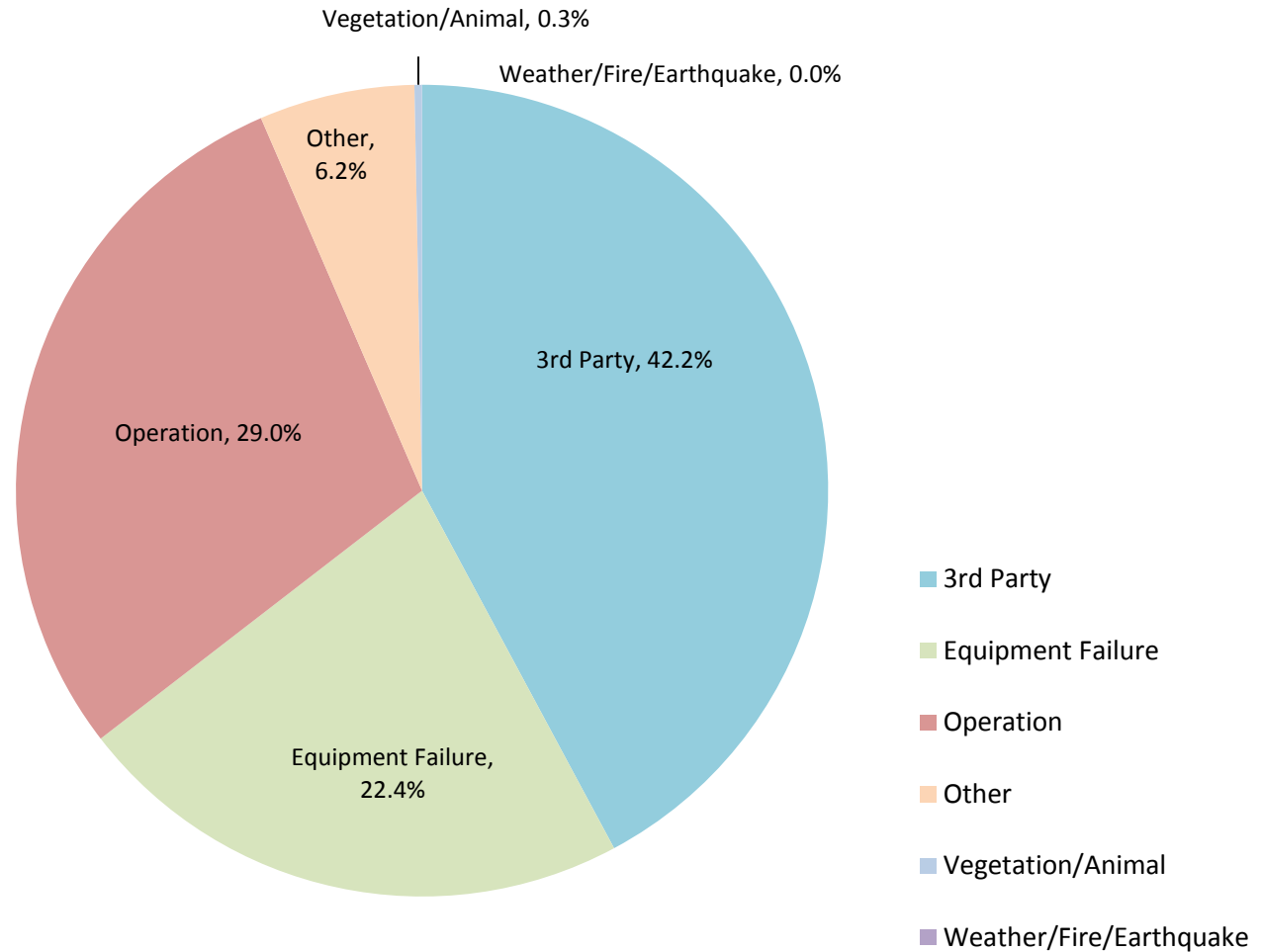
Contributions to SAIDI by Outage Cause



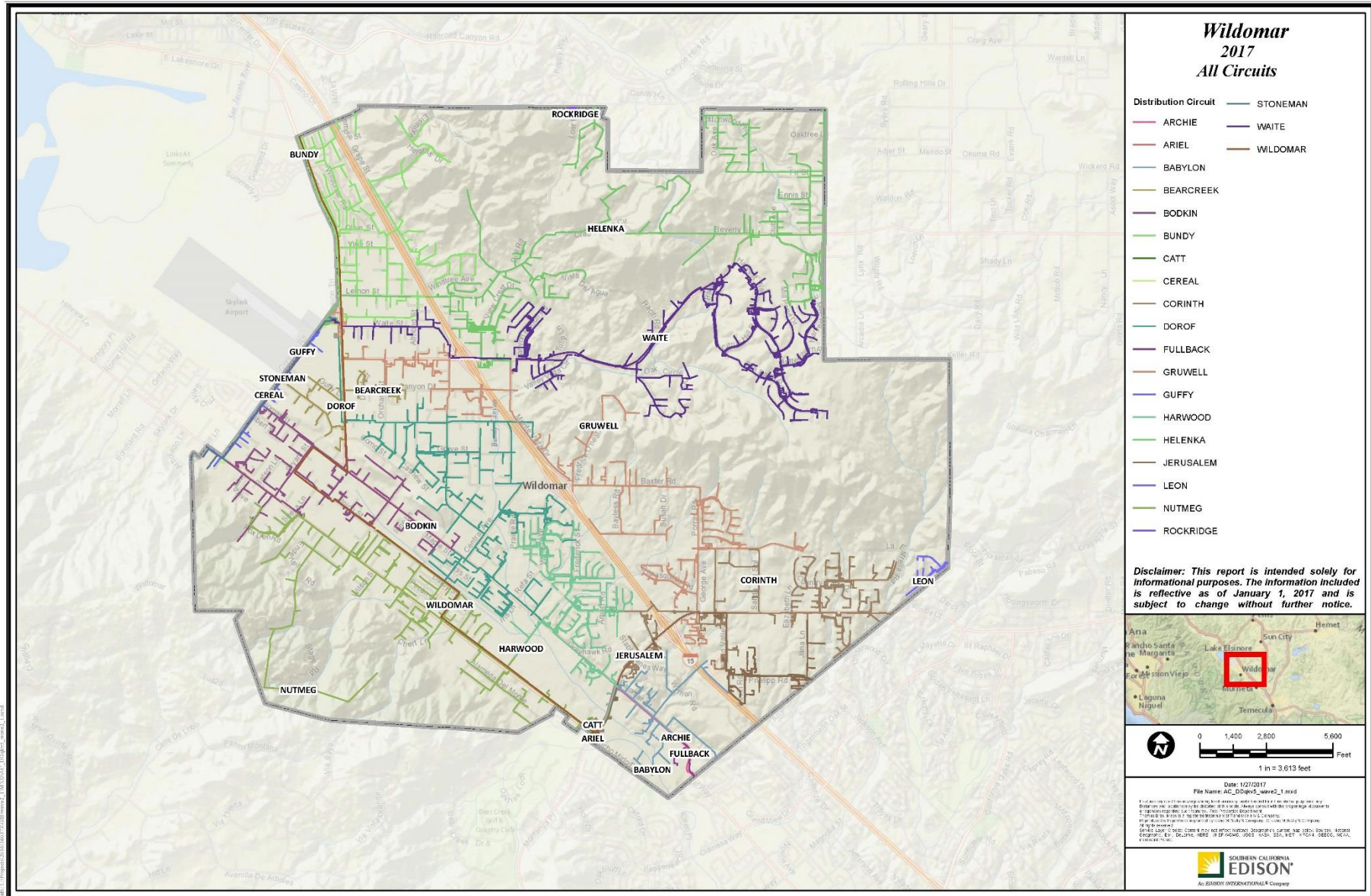
SAIDI = the cumulative amount of time the average customer is interrupted by “sustained” outages each year.

Causes of Repair Outages in Wildomar 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 Wildomar

Updated through Year-End 2016

Average Reliability of 22 Circuits Serving Wildomar

	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
Wildomar	60.9	0.6	0.7	153.8	1.1	0.9	46.7	0.8	1.5	8.4	0.1	0.5	6.8	0.1	0.3	5.1	0.1	0.0	18.1	0.2	0.6	38.5	0.5	1.5
3rd Party	8%	17%	23%	15%	9%	4%	15%	15%	14%	34%	36%	20%	12%	66%	59%	26%	37%	#DIV/0!	35%	36%	5%	30%	42%	23%
Equipment Failure	66%	44%	12%	54%	46%	19%	58%	30%	26%	0%	0%	0%	28%	9%	0%	12%	3%	#DIV/0!	57%	54%	10%	33%	22%	4%
Operation	15%	22%	17%	3%	8%	14%	19%	47%	40%	18%	49%	62%	52%	23%	0%	54%	53%	#DIV/0!	6%	7%	9%	23%	29%	26%
Other	6%	11%	43%	5%	9%	47%	6%	7%	19%	48%	15%	5%	9%	2%	41%	8%	7%	#DIV/0!	2%	1%	76%	14%	6%	42%
Vegetation/Animal	5%	6%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	#DIV/0!	0%	1%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	23%	28%	16%	2%	0%	0%	0%	0%	13%	0%	0%	0%	0%	0%	#DIV/0!	0%	0%	0%	0%	0%	5%
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 Wildomar

	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
ARCHIE(33KV) - Customers: 2	31.0	1.0	0.0	1387.0	1.0	1.0	0.0	0.0	3.0	0.0	0.0	0.0	71.0	1.0	0.0	0.0	0.0	0.0	75.0	1.0	0.0	146.0	2.0	0.0
3rd Party	100%	100%	0%	0%	0%	0%	0%	0%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	51%	50%	0%
Equipment Failure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	49%	50%	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%	100%	100%	100%	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%
ARIEL(12KV) - Customers: 950	23.1	0.2	0.0	247.5	1.0	1.0	15.7	0.1	0.9	0.0	0.0	0.0	9.0	0.1	0.0	12.0	0.1	0.0	0.0	0.0	1.0	21.0	0.2	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	30%	62%	0%	100%	99%	0%	51%	44%	7%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	43%	50%	0%
Operation	70%	38%	0%	0%	1%	0%	49%	56%	93%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	57%	50%	0%
Other	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	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%
BABYLON(12KV) - Customers: 1,218	28.0	0.1	0.0	397.8	2.0	2.0	137.8	2.1	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.7	0.0	0.0	0.0	0.0	1.0	0.7	0.0	2.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	50%
Equipment Failure	100%	100%	0%	40%	50%	50%	59%	48%	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%	100%	100%	0%	0%	0%	0%	100%	100%	0%
Other	0%	0%	0%	0%	0%	50%	29%	48%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	50%
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%	60%	50%	0%	11%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
BEARCREEK(12KV) - Customers: 258	0.0	0.0	0.0	500.2	2.2	0.6	96.7	0.7	0.0	0.0	0.0	1.0	163.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	163.1	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%	100%	100%	100%	29%	25%	0%	0%	0%	0%	16%	33%	0%	0%	0%	0%	0%	0%	0%	16%	33%	0%
Operation	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	48%	33%	0%	0%	0%	0%	0%	0%	0%	48%	33%	100%
Other	0%	0%	0%	0%	0%	0%	71%	75%	0%	0%	0%	0%	36%	33%	0%	0%	0%	0%	0%	0%	0%	36%	33%	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 Wildomar

	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
BODKIN(12KV) - Customers: 657	0.0	0.0	0.0	85.9	1.0	1.0	2.9	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
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%	98%	0%	18%	11%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	2%	2%	100%	82%	89%	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%
BUNDY(12KV) - Customers: 1,846	42.7	0.1	2.8	40.3	0.4	1.0	84.3	1.3	3.7	0.0	0.0	1.0	0.0	0.0	0.0	6.0	0.1	0.0	6.3	0.0	0.0	12.4	0.1	1.0
3rd Party	0%	0%	0%	0%	0%	0%	95%	78%	52%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	18%	24%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	8%	2%	0%	100%	100%	0%	55%	11%	0%
Operation	1%	5%	33%	0%	0%	0%	5%	22%	48%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%
Other	81%	71%	67%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	92%	98%	0%	0%	0%	0%	45%	89%	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%
CATT(12KV) - Customers: 1,244	121.8	1.3	0.0	0.0	0.0	0.0	120.2	0.7	1.2	0.0	0.0	0.0	0.0	0.0	0.0	15.1	0.1	0.0	0.0	0.0	1.0	15.1	0.1	1.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	0%	0%	0%	93%	88%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	93%	97%	0%	0%	0%	0%	7%	12%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	100%	100%	0%
Other	7%	3%	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%	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%
CEREAL(12KV) - Customers: 1,571	30.9	1.0	2.0	85.5	1.8	1.3	41.7	2.1	0.5	22.5	0.8	0.3	0.0	0.0	1.0	3.1	0.0	0.0	0.0	0.0	0.7	25.6	0.8	2.0
3rd Party	100%	100%	0%	0%	0%	0%	0%	0%	0%	98%	99%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	86%	98%	50%
Equipment Failure	0%	0%	0%	75%	57%	0%	32%	1%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	12%	1%	0%
Operation	0%	0%	0%	0%	0%	23%	68%	99%	100%	2%	1%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	1%	13%
Other	0%	0%	100%	25%	43%	77%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	37%
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 Wildomar

	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
CORINTH(12KV) - Customers: 1,521	29.3	0.5	1.2	0.0	0.0	0.0	36.3	0.4	3.0	0.6	0.0	0.0	13.6	1.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	14.2	1.0	2.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	96%	99%	0%
Equipment Failure	0%	0%	0%	0%	0%	0%	32%	8%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	100%	100%	30%	0%	0%	0%	68%	92%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4%	1%	0%
Other	0%	0%	70%	0%	0%	0%	0%	0%	67%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100%	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%
DOROF(12KV) - Customers: 1,389	49.5	0.4	0.7	272.5	1.9	1.0	26.7	1.0	2.0	7.9	0.0	1.0	0.0	0.0	0.0	5.5	0.0	0.0	0.0	0.0	0.0	13.4	0.1	1.0
3rd Party	0%	0%	0%	0%	0%	0%	88%	96%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	98%	99%	100%	63%	52%	100%	6%	1%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	41%	21%	0%
Operation	0%	0%	0%	0%	0%	0%	6%	3%	0%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	59%	79%	100%
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	2%	1%	0%	36%	48%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
FULLBACK(12KV) - Customers: 1,490	15.6	0.1	0.0	102.9	1.1	0.0	6.0	0.1	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.7	0.0	0.0	4.5	0.0	2.0	6.2	0.1	2.0
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	71%	51%	0%	93%	93%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	0%	50%
Operation	29%	49%	0%	7%	7%	0%	100%	100%	0%	0%	0%	0%	100%	100%	0%	100%	100%	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%	50%	0%	0%	50%
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%
GRUWELL(12KV) - Customers: 1,017	13.0	0.0	1.0	370.8	3.9	1.7	7.0	0.0	0.0	0.3	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	0.0	0.0	5.5	0.0	1.0
3rd Party	0%	0%	0%	15%	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	5%	6%	0%	28%	26%	0%	10%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	95%	94%	0%
Operation	95%	94%	100%	4%	5%	0%	90%	97%	0%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%	6%	100%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	53%	44%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Reliability Histories for Individual Circuits Serving Wildomar

	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
GUFFY(12KV) - Customers: 1,351	51.3	0.6	1.5	336.4	1.0	1.0	25.7	1.1	0.0	5.7	0.6	1.4	0.0	0.0	0.0	0.1	0.0	0.0	7.6	0.1	1.0	13.4	0.7	2.4
3rd Party	0%	0%	65%	0%	0%	0%	0%	0%	0%	0%	0%	73%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	42%
Equipment Failure	0%	0%	0%	99%	99%	100%	67%	9%	0%	7%	0%	0%	0%	0%	0%	100%	100%	0%	82%	96%	0%	50%	13%	0%
Operation	0%	0%	0%	1%	1%	0%	33%	91%	0%	93%	100%	27%	0%	0%	0%	0%	0%	0%	18%	4%	100%	50%	87%	58%
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	100%	100%	35%	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%
HARWOOD(12KV) - Customers: 1,513	34.0	0.2	0.0	35.2	0.1	0.0	183.5	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	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	64%	71%	0%	99%	93%	0%	99%	99%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	5%	11%	0%	1%	7%	0%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	32%	18%	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%	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%
HELENKA(12KV) - Customers: 1,174	101.5	1.0	0.0	524.4	2.5	1.6	20.0	0.1	1.9	15.8	0.6	0.0	7.5	0.0	1.4	0.8	0.0	0.0	6.5	0.2	0.0	30.6	0.9	1.4
3rd Party	0%	0%	0%	68%	20%	0%	57%	59%	32%	0%	0%	0%	0%	0%	45%	0%	0%	0%	12%	2%	0%	3%	0%	45%
Equipment Failure	89%	68%	0%	0%	0%	0%	43%	41%	68%	3%	0%	0%	0%	0%	0%	100%	100%	0%	21%	4%	0%	8%	1%	0%
Operation	11%	32%	0%	10%	40%	100%	0%	0%	0%	97%	100%	0%	100%	100%	0%	0%	0%	0%	67%	94%	0%	89%	98%	0%
Other	0%	0%	0%	22%	40%	0%	0%	0%	0%	0%	0%	0%	0%	0%	55%	0%	0%	0%	0%	0%	0%	0%	0%	55%
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%
JERUSALEM(12KV) - Customers: 1,715	0.0	0.0	0.0	17.4	0.1	0.0	10.3	0.0	3.7	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0	1.9	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%	26%	54%	0%	90%	84%	27%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	74%	46%	0%	10%	16%	73%	0%	0%	0%	100%	100%	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%	100%	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%

Reliability Histories for Individual Circuits Serving Wildomar

	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
LEON(12KV) - Customers: 1,942	7.3	1.0	0.0	0.0	0.0	0.0	9.4	0.0	1.0	0.0	0.0	0.0	18.0	0.0	0.0	0.2	0.0	0.0	5.8	0.0	0.0	23.9	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	4%	0%	0%	0%	0%	0%	99%	88%	0%	0%	0%	0%	98%	93%	0%	0%	0%	0%	0%	0%	0%	74%	56%	0%
Operation	0%	0%	0%	0%	0%	0%	1%	12%	100%	0%	0%	0%	2%	7%	0%	100%	100%	0%	100%	100%	0%	26%	44%	0%
Other	96%	100%	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%
NUTMEG(12KV) - Customers: 1,023	1.6	0.0	0.0	163.6	0.2	2.0	7.7	0.1	0.0	0.0	0.0	0.0	11.2	0.1	1.0	61.9	0.7	0.0	8.9	0.0	1.0	82.0	0.8	2.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	54%	89%	0%	0%	0%	0%	41%	73%	0%
Equipment Failure	0%	0%	0%	70%	47%	0%	33%	81%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	100%	100%	0%	0%	0%	0%	67%	19%	0%	0%	0%	0%	100%	100%	0%	46%	11%	0%	0%	0%	0%	48%	21%	0%
Other	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	100%	100%	11%	6%	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%	30%	53%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
ROCKRIDGE(12KV) - Customers: 828	109.6	2.1	1.0	126.1	2.0	1.0	17.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	313.5	2.7	1.0	313.5	2.7	1.0
3rd Party	80%	51%	100%	96%	66%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	66%	73%	100%	66%	73%	100%
Equipment Failure	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	34%	27%	0%	34%	27%	0%
Operation	20%	49%	0%	4%	34%	0%	100%	99%	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%
STONEMAN(12KV) - Customers: 1,509	9.1	0.0	1.0	109.4	0.1	0.3	62.7	1.7	6.5	70.8	0.4	2.4	0.3	0.0	1.0	2.6	0.3	0.0	0.2	0.0	0.0	74.0	0.7	3.4
3rd Party	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	40%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	57%
Equipment Failure	0%	0%	0%	0%	0%	0%	79%	41%	40%	0%	0%	0%	70%	29%	0%	25%	1%	0%	0%	0%	0%	1%	1%	0%
Operation	100%	100%	0%	1%	4%	0%	21%	59%	45%	0%	0%	39%	30%	71%	0%	75%	99%	0%	0%	0%	0%	3%	46%	28%
Other	0%	0%	0%	9%	13%	100%	0%	0%	15%	100%	100%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	96%	50%	14%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%	0%	3%	1%
Weather/Fire/Earthquake	0%	0%	0%	90%	84%	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 Wildomar

	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
WAITE(12KV) - Customers: 1,750	375.8	2.5	0.7	39.6	2.8	2.0	29.2	1.0	0.0	22.6	0.0	2.0	26.8	0.2	0.0	3.8	0.0	0.0	88.0	0.9	0.1	141.2	1.2	2.1
3rd Party	0%	0%	10%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	16%	3%	0%
Equipment Failure	100%	100%	90%	55%	28%	0%	5%	2%	0%	0%	0%	0%	0%	0%	0%	5%	2%	0%	100%	100%	100%	62%	80%	4%
Operation	0%	0%	0%	0%	0%	0%	95%	98%	0%	0%	0%	50%	100%	100%	0%	95%	98%	0%	0%	0%	0%	22%	17%	48%
Other	0%	0%	0%	0%	0%	50%	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%	45%	72%	50%	0%	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	48%
WILDOMAR(33KV) - Customers: 2	0.0	0.0	3.0	2404.0	5.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.0	1.0	0.0	175.0	1.0	0.0	223.0	2.0	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%	22%	50%	0%
Equipment Failure	0%	0%	33%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	78%	50%	0%
Operation	0%	0%	33%	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%	1%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	33%	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%	99%	80%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%